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## ABSTRACT

This report presents data, collected from 3,532 institutions of higher education within the 50 states and the District of Columbia, concerning the number of degrees conferred by these accredited institutions over the 10-year period from 1980-81 to 1989-90. Primary data sources were the Higher Education General Information Survey (HEGIS) for 1980-81 through 1984-85 and the Integrated Postsecondary Education Data System (IPEDS) for 1986-87 through 1989-90. Tables of data, comprising 85 percent of the report, list the following information: (1) numbers and percentages of degrees conferred by level of degree and sex without regard to race/ethnicity; (2) numbers and percentages of degrees conferred by level of degree and race/ethnicity without regard to sex; (3) numbers of degrees conferred and average annual percentage change by level of degree and field of study without regard to sex or race/ethnicity; (4) numbers of degrees conferred by sex, race/ethnicity, and field of study. In addition, individual tables present the same type of data specific to each level of degree (i.e., associate's, bachelor's, master's, doctor's, and first professional). The appendix provides the total number of associate's, bachelor's, master's, and doctor's degrees conferred in 1989-90, by detailed program specialty and summarized to the discipline division. (GLR)

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## Race/Ethnicity Trends in Degrees Conferred by Institutions of Higher Education: 1980-81 through 1989-90

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**E.D. TABS**

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**May 1992**

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## **Race/Ethnicity Trends in Degrees Conferred by Institutions of Higher Education: 1980-81 through 1989-90**

**Frank B. Morgan  
Postsecondary Education Statistics Division**

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**U.S. Department of Education  
Office of Educational Research and Improvement**

**NCES 92-039**

**U.S. Department of Education**

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May 1992

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## Introduction

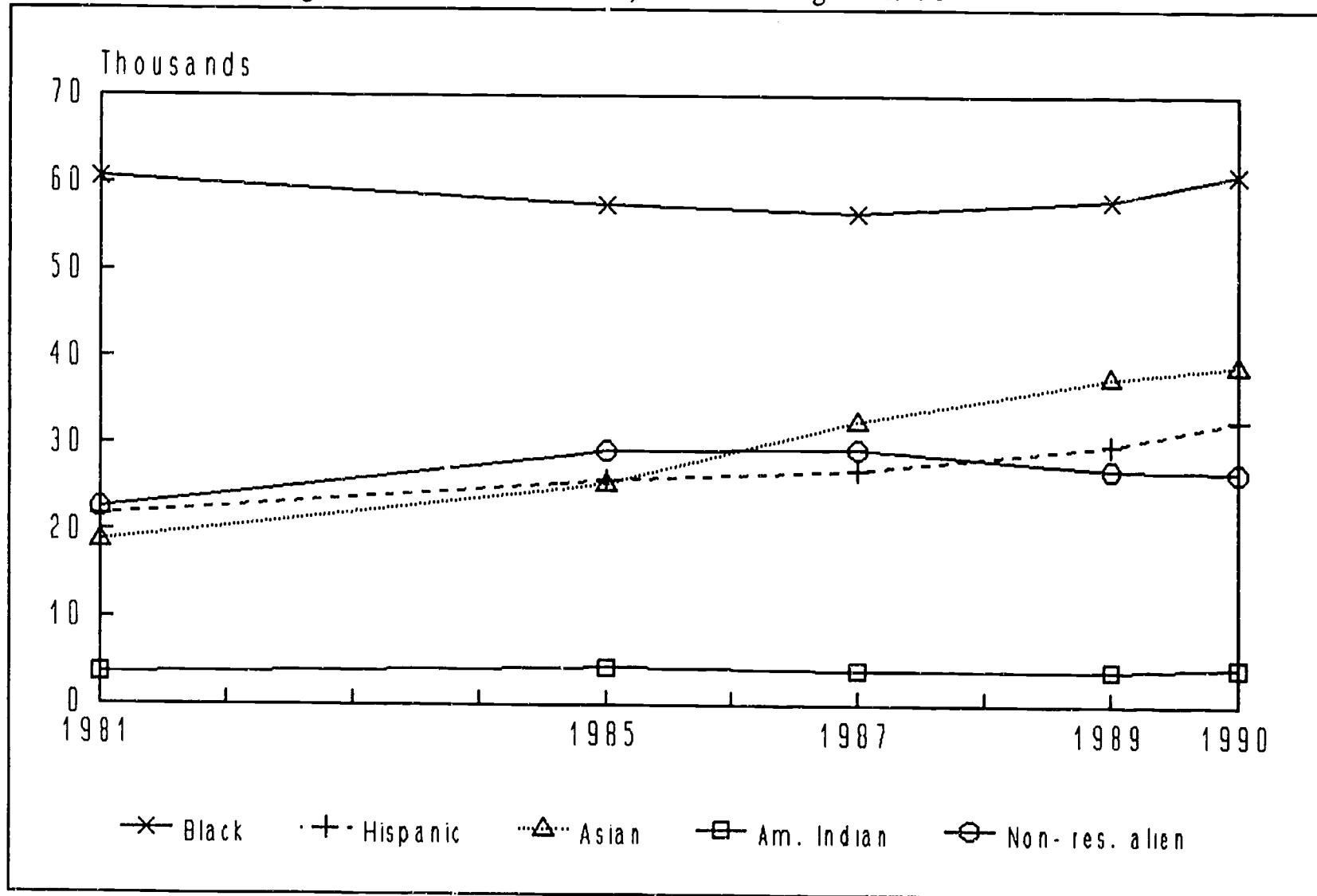
This report presents data on degrees conferred by the nation's accredited higher education institutions over the 10-year period from 1980-81 to 1989-90. The data are from the Integrated Postsecondary Education Data System (IPEDS) 1986-87 through 1989-90 Completions and 1990 Consolidated surveys; and the Higher Education General Information Survey (HEGIS), 1980-81 through 1984-85, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education." These surveys collected information on degrees conferred by level of award (associate's, bachelor's, master's, doctor's, first-professional), race/ethnicity and sex of recipients, and major field of study.

This report is one of a series of E.D. TABS published by the National Center for Education Statistics (NCES) designed primarily to make data available to the public with minimal analysis. It presents information on institutions of higher education, which are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. This E.D. TABS is also available on an electronic bulletin board operated by the Office of Educational Research and Improvement. For modem access, call 1-800-222-4922 or (202) 219-2011; for technical questions, call (202) 219-1547.

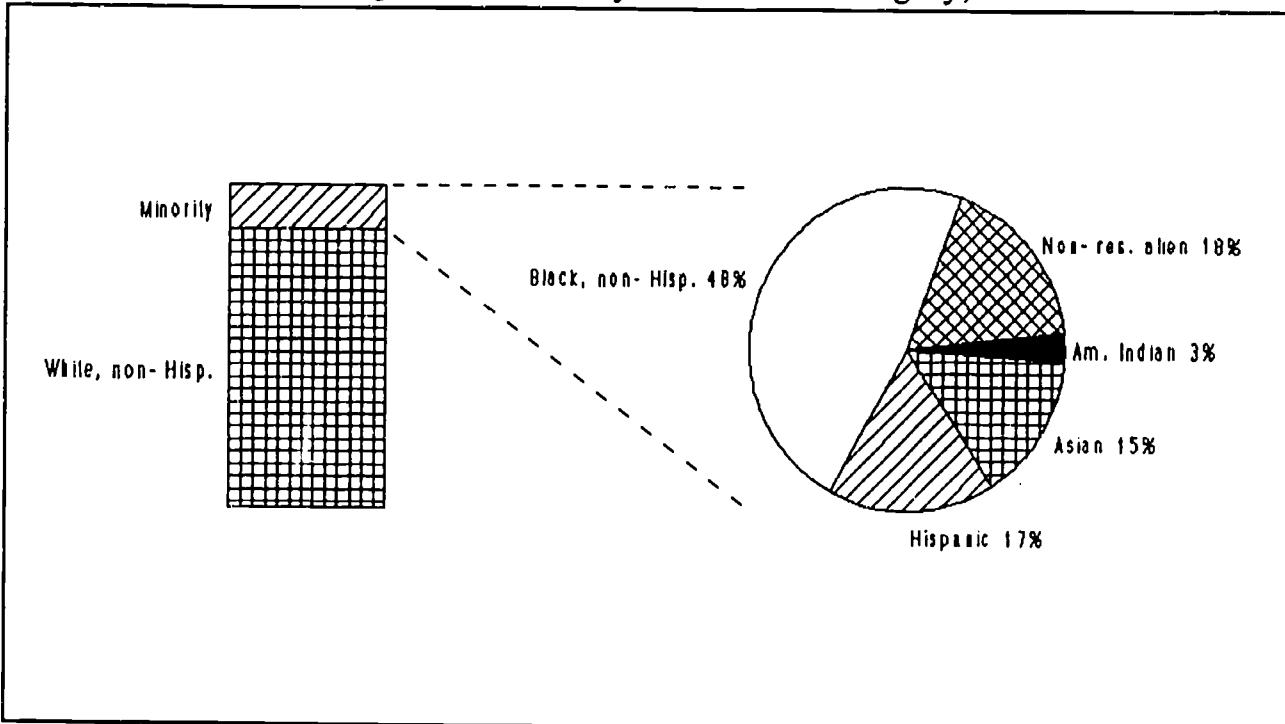
## Highlights

- The share of degrees awarded to women at each degree level has shown steady growth throughout the period of this report. Since 1984-85, women have accounted for over half of the awards at each degree level through master's, with their highest share always at the associate level (table 1).
- Except for first-professional degrees to men, the number of degrees awarded to both men and women at every level increased from 1988-89 to 1989-90. The number of men receiving first-professional degrees in 1989-90 declined 2.7 percent from 1988-89 to 43,819, continuing a decline over the entire period of this report (table 1).
- Associate's degrees increased 3.9 percent between 1988-89 and 1989-90 (from 432,144 to 448,997). Most of the increase was accounted for by women (table 1).
- The number of bachelor's degrees awarded to black, non-Hispanics in 1989-90 has increased slightly since 1980-81, following a mild decline in the mid-1980s. However, over the same period, blacks received a decreasing share of the bachelor's degrees awarded to minorities — down from 48 percent in 1980-81 to a 37 percent share in 1989-90 (table 2 and figures 1, 2, and 3).
- The number of master's and doctor's degrees awarded to non-resident aliens over the period of this report has steadily increased and has remained larger than any racial/ethnic category, excluding white, non-Hispanics. For 1989-90, non-resident aliens accounted for 11 and 23 percent respectively of total master's and doctor's degrees awarded (table 2).
- For each of the five years in this report, the most prevalent fields of study among bachelor's degree recipients have remained Business and management, Social sciences, Education, Engineering and related technologies, and Health professions. (table 3).

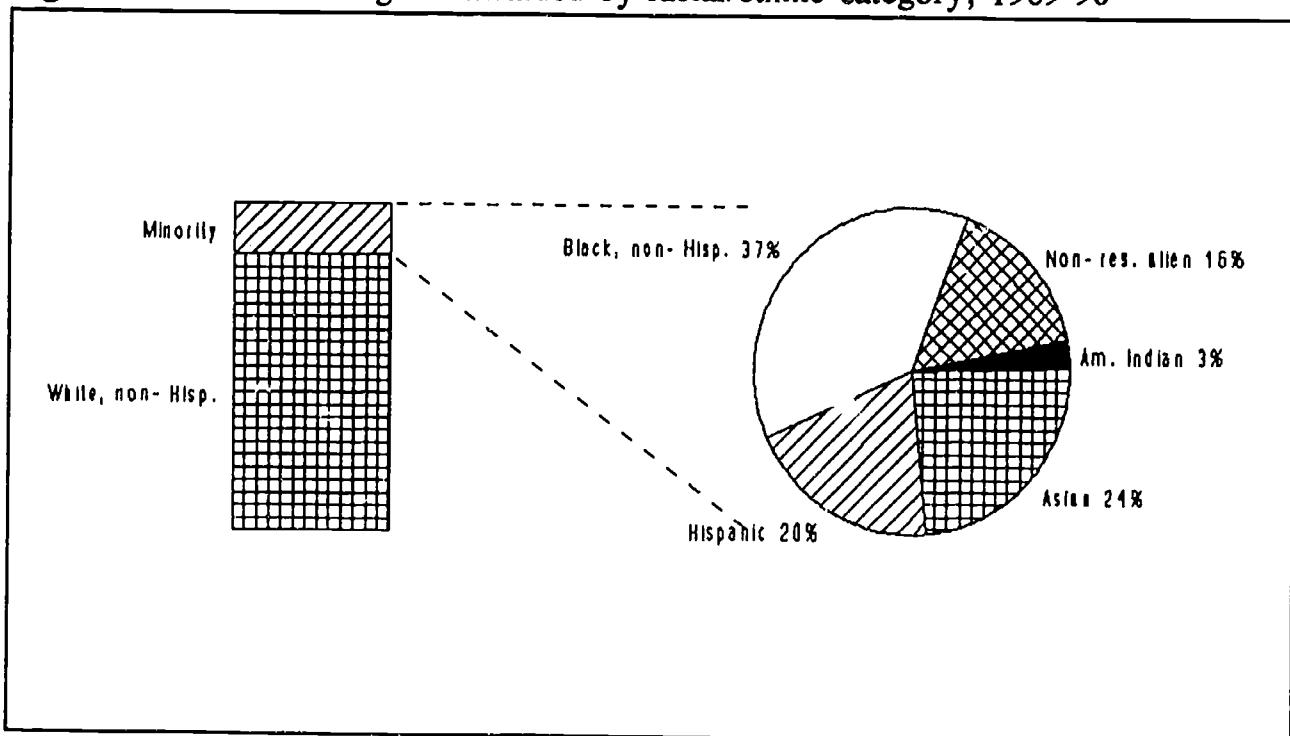
Figure 1. Bachelor's degrees awarded to minorities, 1980-81 through 1989-90



**Figure 2.--Bachelor's degrees awarded by racial/ethnic category, 1980-81**



**Figure 3.--Bachelor's degrees awarded by racial/ethnic category, 1989-90**



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## Survey Methodology

### Data Sources

The primary sources for this publication were "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," a component of HEGIS, for academic years through 1984-85, and "Completions," a component of IPEDS, for subsequent years. These two surveys had nearly identical structures concerning data collected, the primary difference being the range of institutions surveyed. HEGIS surveys were restricted to institutions of higher education which are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education, while IPEDS coverage has been expanded to include all postsecondary institutions. Since this report is limited to institutions of higher education, the two surveys may be considered identical. For academic year 1989-90, an additional IPEDS survey, "Consolidated Survey," (CN) collected completions data along with enrollment, finances, and academic libraries. While the portion of this form dealing with completions differs from the Completions survey, it was designed to result in compatible information, and 30 institutions receiving the CN form are included in this report.

Prior to the 1989-90 survey, racial/ethnic data were collected biennially. For this reason, the years presented in this report are not consecutive. In addition, data for 1982-83 were not available.

In HEGIS surveys before 1984-85, data on the number of associate degrees awarded by the racial/ethnic categories of the degree recipients were not collected separately for each discipline division. Also, associate degrees were combined with certificates below the baccalaureate level in those early surveys. Therefore, it is not possible to present data on associate degrees awarded by field or racial/ethnic category for 1980-81 in this report.

Discipline divisions (fields of study) are specified in the Classification of Instructional Programs (CIP) categories which was developed by NCES and is the federally accepted standard for collecting, reporting, and interpreting education program data. Beginning with the 1982-83 survey of earned degrees, the CIP has been used for classifying degree fields. Data for 1980-81 were collected under a different classification system but were converted to the CIP format to allow consistent presentation for the period of this report.

### Scope

The Completions 1989-90 survey was mailed to 3,932 institutions including: 3,620 accredited institutions (i.e., those accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education); plus 312 schools that do not have recognized accreditation but do award bachelor's, master's, doctor's or first-professional degree. The C1 survey form was mailed to 2,506 schools offering at least a baccalaureate degree, and the C2 survey form was sent to 1,426 schools offering a degree or certificate requiring less than four years. In addition, the CN survey form was mailed to 2,998 postsecondary schools offering degrees or awards ranging from less than one year to post-master's certificates.

Data included in this report, a subset of the above counts, are for the 3,532 institutions of higher education, located within the 50 states and the District of Columbia only. These institutions have been accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. Formerly known as HEGIS institutions, they were surveyed on a census basis, and their response rate has historically remained high. Their overall response rate for 1989-90 was 92.3 percent.

## Editing

During editing, all forms were checked for CIP code validity and addition errors. Total lines were generated and compared to the reported totals for each 2-digit discipline division. Any difference which appeared to be larger than a simple arithmetic error were referred to the institution in an attempt to resolve the discrepancy. Other differences were resolved by replacing the reported total with the generated total and setting a corresponding imputation flag.

The data for each institution were also checked for consistency with its prior year's response, when available. The institution was contacted for verification when data appeared inconsistent.

The overall response rate was calculated as the ratio of the number of completed survey forms divided by the number of in-scope schools (i.e., the number mailed minus the number determined to be out-of-scope). Any institution was considered a respondent if it supplied total awards by sex.

## Imputations

Two stages of imputations had to be performed for the higher education data contained in this report. The first stage concerned total nonrespondents to the 1989-90 survey (7.7 percent of the institutions.) In those cases where data from the institution's previous years' survey response were available, these data were used; an indicator flag on the data file identifies schools imputed by this procedure. As a result, only four institutions were left without any information. Two of these were 4-year institutions, one private nonprofit and one private for-profit. Another was a public 2-year institution, and the final was a private for-profit less than 2-year institution.

The second stage of imputation dealt with item nonresponse. In particular, some institutions were not able to completely report the race/ethnicity of award recipients. In these cases, the unreported racial/ethnic counts (computed as the difference between the reported total and the sum of reported racial/ethnic categories) were proportionately distributed among the known U.S. totals of racial/ethnic categories by 2-digit program areas. The number of awards distributed in this manner were 20,512 associate's degrees; 10,042 bachelor's degrees; 7,104 master's degrees; 449 doctor's degrees; and 9 first-professional degrees. These represented 4.6, 1.0, 2.2, 1.2, and less than 0.1 percent, respectively, of the totals for associate's, bachelor's, master's, doctor's, and first-professional awards.

With the 1989-90 survey, IPEDS began to collect an additional race/ethnicity category, "Race/ethnicity unknown." This category is used only if the student does not select a racial/ethnic designation and the institution finds it impossible to place the student into one of the other categories during the established enrollment procedures or in any post-enrollment identification or verification process. Since counts for this category were not collected in previous years, those data were also distributed among the other U.S. racial/ethnic categories by 2-digit program areas for this report. However, since the "Race/ethnicity unknown" category is restricted to U.S. citizens and resident aliens, this distribution excluded "Non-resident alien" counts. The number of awards distributed in this manner were 9,758 associate's degrees; 20,741 bachelor's degrees; 10,503 master's degrees; 880 doctor's degrees; and 1,038 first-professional degrees. These represented 2.2, 2.0, 3.3, 2.3, and 1.5 percent, respectively, of the totals for associate's, master's, doctor's, and first-

professional awards. When this new category has been collected for a sufficient period of time to allow meaningful trends to appear, those data will be added to the report categories.

In addition, there were some institutions that did not report the field of study for award recipients. These data (5,682 associate's; 2,727 bachelor's; 1,852 master's; 258 doctor's; and 244 first-professional degrees) were removed from the analysis. Thus, the numbers in this publication are slight undercounts of actual awards at these degree levels.

Imputation for total nonrespondents has remained basically the same over the period of this report. Prior to 1986-87, imputations for unreported race/ethnicity was not performed and those counts are not included in totals presented in this report. For subsequent years, the imputation procedures as described above, other than the distribution of "Race/ethnicity unknown" counts, were used.

### Explanation of Tables

Table 1 displays the number and percentage of degrees conferred by level of degree and sex without regard to race/ethnicity.

Table 2 provides the number and percentage of degrees conferred by level of degree and race/ethnicity without regard to sex.

Table 3 shows the number of degrees conferred and average annual percent change by level of degrees and field of study without regard to sex or race/ethnicity. This table does not include first-professional degrees due to the limited fields in which they are awarded.

Tables 4 through 8 show the number of degrees conferred by sex, race/ethnicity, and field of study. Each table is confined to one of the levels of degrees (Table 4 - Associate's; Table 5 - Bachelor's; Table 6 - Master's; Table 7 - Doctor's; Table 8 - First-professional.)

The Appendix gives the total number of associate's, bachelor's, master's, and doctor's degrees conferred in 1989-90, by detailed program specialty, as well as summarized to the discipline division.

Late responses and corrections received too late to be included in the 1988-89 IPEDS Completions survey were incorporated into a new data file, which was used for this publication. Therefore, some data in this report for academic year 1988-89 will be different from previous publications.

Certain aggregations of the discipline division fields as reported in the IPEDS Completions survey have been made for the tables showing field of study. Figure 4 will allow users to determine which discipline divisions are included in those fields of study; fields of study not listed are identical to the IPEDS discipline division.

In analyzing data by fields of study, users must remember that the data represent programs, not schools, colleges, or divisions (SCDs) within institutions. For example, some institutions might have a few computer and information science programs organized and taught within a business school. However, for IPEDS reporting purposes, the degrees are classified and counted within the computer and information science discipline division. Therefore, the data represent programs, not organizational units within institutions.

### Acknowledgments

The author is grateful to Charles Anderson, American Council on Education; Enid Jones, American Association of Community and Junior Colleges; Lawrence Bussey, U.S. Department of Education, Office for Civil Rights; and Judith Carpenter and Charlene Hoffman of the National Center for Education Statistics for their valuable comments during the review of this publication.

**Figure 4.--Crosswalk of field of study with IPEDS discipline divisions**

<b>Field of study</b>	<b>IPEDS Discipline division</b>
Agriculture and natural resources	Agribusiness and agricultural production Agricultural science Renewable natural resources
Business and management	Business and management Business (Administrative support) Marketing and distribution Consumer, personal, and miscellaneous services
Communications	Communications Communications technologies
Engineering and related technologies	Engineering Engineering and engineering related technologies Construction trades Mechanics and repairers
Fine and applied arts	Visual and performing arts Precision production
Health professionals	Allied health Health sciences
Home economics	Home economics Vocational home economics
Military sciences	Military sciences Military technologies
Public affairs and services	Public affairs Parks and recreation Protective services Transportation and material moving
Letters	Letters Philosophy and religion
Physical sciences	Physical sciences Science technologies
Interdisciplinary studies	Multi/interdisciplinary studies Liberal/general studies

Table 1.—Degrees conferred by institutions of higher education, by level of degree and sex: 50 states and District of Columbia, 1980–81 through 1989–90

Level of degree and sex	Year of award									
	1980–81		1984–85		1986–87		1988–89		1989–90	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total .....	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,926,635	100.0
Men .....	690,080	51.8	874,771	49.1	881,457	48.4	882,424	47.3	899,205	46.7
Women .....	643,082	48.2	907,140	50.9	941,093	51.6	982,355	52.7	1,027,430	53.3
Associate's .....	—	—	429,815	100.0	436,299	100.0	432,144	100.0	448,997	100.0
Men .....	—	—	190,409	44.3	190,832	43.7	183,963	42.8	188,160	41.9
Women .....	—	—	239,406	55.7	245,467	56.3	248,181	57.4	260,837	58.1
Bachelor's .....	934,800	100.0	968,311	100.0	991,260	100.0	1,016,350	100.0	1,046,930	100.0
Men .....	469,625	50.2	476,148	49.2	480,780	48.5	481,946	47.4	490,101	46.8
Women .....	465,175	49.8	492,163	50.8	510,480	51.5	534,404	52.6	556,829	53.2
Master's .....	294,183	100.0	280,421	100.0	289,341	100.0	309,770	100.0	321,992	100.0
Men .....	145,666	49.5	139,417	49.7	141,264	48.8	148,872	48.1	152,907	47.6
Women .....	148,517	50.5	141,004	50.3	148,077	51.2	160,898	51.9	169,085	52.5
Doctor's .....	32,839	100.0	32,307	100.0	34,033	100.0	35,659	100.0	37,980	100.0
Men .....	22,595	68.8	21,298	65.9	22,059	64.8	22,597	63.4	24,218	63.8
Women .....	10,244	31.2	11,011	34.1	11,974	35.2	13,062	36.6	13,762	36.2
First-professional ...	71,340	100.0	71,057	100.0	71,617	100.0	70,856	100.0	70,736	100.0
Men .....	52,194	73.2	47,501	66.8	46,522	65.0	45,046	63.6	43,819	61.9
Women .....	19,146	26.8	23,556	33.2	25,095	35.0	25,810	36.4	26,917	38.1

— Data not available until 1984–85.

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 2.—Degrees conferred by institutions of higher education, by level of degree and race/ethnicity: 50 states and District of Columbia, 1980-81 through 1989-90

Level of degree and race/ethnicity	1980-81		1984-85		1986-87		1988-89		1989-90	
	Number	Percent								
Total .....	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,926,635	100.0
White non-Hispanic .....	1,138,994	85.4	1,492,230	83.7	1,519,632	83.4	1,543,364	82.8	1,589,127	82.5
Black non-Hispanic .....	82,002	6.2	111,386	6.3	110,359	6.1	111,098	6.0	116,217	6.0
Hispanic .....	30,290	2.3	54,706	3.1	58,180	3.1	60,470	3.2	65,863	3.4
Asian or Pacific Islander .....	27,409	2.1	46,013	2.6	56,337	3.1	64,853	3.5	67,749	3.5
American Native/Alaskan Native .....	4,949	0.4	8,822	0.5	8,679	0.5	8,724	0.5	9,330	0.5
Nonresident alien .....	49,518	3.7	68,754	3.9	71,363	3.9	76,272	4.1	78,349	4.1
Associate's .....	—	—	429,815	100.0	436,299	100.0	432,144	100.0	448,997	100.0
White non-Hispanic .....	—	—	355,343	82.7	361,819	82.9	354,813	82.1	368,529	82.1
Black non-Hispanic .....	—	—	35,791	8.3	35,457	8.1	34,722	8.0	35,278	7.9
Hispanic .....	—	—	19,407	4.5	19,345	4.4	20,381	4.7	22,062	4.9
Asian or Pacific Islander .....	—	—	9,914	2.3	11,794	2.7	12,531	2.9	13,426	3.0
American Native/Alaskan Native .....	—	—	2,953	0.7	3,196	0.7	3,335	0.8	3,525	0.8
Nonresident alien .....	—	—	6,407	1.5	4,688	1.1	6,362	1.5	6,177	1.4
Bachelor's .....	934,800	100.0	968,311	100.0	991,260	100.0	1,016,350	100.0	1,046,930	100.0
White non-Hispanic .....	807,319	86.4	826,106	85.3	841,820	84.9	859,699	84.6	882,996	84.3
Black non-Hispanic .....	60,673	6.5	57,473	5.9	56,555	5.7	58,065	5.7	61,074	5.8
Hispanic .....	21,832	2.3	25,874	2.7	26,990	2.7	29,910	2.9	32,686	3.1
Asian or Pacific Islander .....	18,794	2.0	25,395	2.6	32,618	3.3	37,686	3.7	39,059	3.7
American Native/Alaskan Native .....	3,593	0.4	4,246	0.4	3,971	0.4	3,954	0.4	4,338	0.4
Nonresident alien .....	22,589	2.4	29,217	3.0	29,306	3.0	27,036	2.7	26,777	2.6
Master's .....	294,183	100.0	280,421	100.0	289,341	100.0	309,770	100.0	321,992	100.0
White non-Hispanic .....	241,216	82.0	223,628	79.7	228,870	79.1	242,756	78.4	251,518	78.1
Black non-Hispanic .....	17,133	5.8	13,939	5.0	13,867	4.8	14,096	4.6	15,331	4.8
Hispanic .....	6,461	2.2	6,864	2.4	7,044	2.4	7,282	2.4	7,905	2.5
Asian or Pacific Islander .....	6,282	2.1	7,782	2.8	8,558	3.0	10,336	3.3	10,846	3.3
American Native/Alaskan Native .....	1,034	0.4	1,256	0.4	1,104	0.4	1,086	0.4	1,108	0.3
Nonresident alien .....	22,057	7.5	26,952	9.6	29,898	10.3	34,214	11.0	35,484	11.0
Doctor's .....	32,839	100.0	32,307	100.0	34,033	100.0	35,659	100.0	37,980	100.0
White non-Hispanic .....	25,908	78.9	23,934	74.1	24,435	71.8	24,882	69.8	25,793	67.9
Black non-Hispanic .....	1,265	3.9	1,154	3.6	1,060	3.1	1,065	3.0	1,145	3.0
Hispanic .....	456	1.4	677	2.1	750	2.2	628	1.8	783	2.1
Asian or Pacific Islander .....	877	2.7	1,106	3.4	1,097	3.2	1,324	3.7	1,282	3.4
American Native/Alaskan Native .....	130	0.4	118	0.4	104	0.3	85	0.2	102	0.3
Nonresident alien .....	4,203	12.8	5,317	16.5	6,587	19.4	7,675	21.5	8,875	23.4
First-Professional .....	71,340	100.0	71,057	100.0	71,617	100.0	70,856	100.0	70,736	100.0
White non-Hispanic .....	64,551	90.5	63,219	89.0	62,688	87.5	61,214	86.4	60,291	85.2
Black non-Hispanic .....	2,931	4.1	3,029	4.3	3,420	4.8	3,148	4.4	3,389	4.8
Hispanic .....	1,541	2.2	1,884	2.7	2,051	2.9	2,269	3.2	2,427	3.4
Asian or Pacific Islander .....	1,456	2.0	1,816	2.6	2,270	3.2	2,976	4.2	3,336	4.7
American Native/Alaskan Native .....	192	0.3	248	0.3	304	0.4	264	0.4	257	0.4
Nonresident alien .....	669	0.9	861	1.2	884	1.2	985	1.4	1,036	1.5

— Data not available on associates until 1984-85.

NOTE: Data for 1980-81 and 1984-85 do not include imputations for race/ethnicity. Data for 1988-89 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 3.—Number of degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Level and field of study	Number of degrees					Average annual percent change			
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81 to 1984–85	1984–85 to 1986–87	1986–87 to 1988–89	1988–89 to 1989–90
Associate's degrees, total .....	—	429,815	436,299	432,144	448,997	—	0.8	-0.5	3.9
Agriculture and natural resources .....	—	6,320	5,458	4,725	4,832	—	-7.1	-7.0	2.3
Architecture and environmental design .....	—	1,182	1,665	1,815	2,011	—	18.7	4.4	10.8
Area and ethnic studies .....	—	10	14	16	68	—	18.3	6.8	325.0
Business and management .....	—	116,737	115,231	107,629	108,980	—	-0.6	-3.4	-0.6
Communications .....	—	3,864	3,541	3,743	3,672	—	-4.3	2.8	-1.9
Computer and information sciences .....	—	11,843	9,101	7,900	7,604	—	-12.3	-6.8	-3.7
Education .....	—	7,009	7,333	7,391	8,018	—	2.3	0.4	8.5
Engineering and related technologies .....	—	59,391	62,512	56,368	54,131	—	2.6	-5.0	-4.0
Fine and applied arts .....	—	12,885	14,161	12,958	13,923	—	4.8	-4.3	7.5
Foreign languages .....	—	350	421	324	328	—	9.7	-12.3	1.5
Health professions .....	—	65,864	62,547	59,568	64,128	—	-2.6	-2.4	7.7
Home economics .....	—	9,091	9,328	10,505	10,230	—	1.3	6.1	-2.6
Law .....	—	1,961	2,498	3,742	4,547	—	12.9	22.4	21.5
Letters .....	—	645	608	603	660	—	-2.9	-0.4	9.5
Library science .....	—	108	117	103	112	—	4.1	-6.2	8.7
Life sciences .....	—	852	892	982	1,034	—	2.3	4.9	5.3
Mathematics .....	—	693	666	654	760	—	-2.0	-0.9	16.2
Military Sciences .....	—	15	41	164	129	—	65.3	100.0	-21.3
Physical sciences .....	—	1,999	2,061	1,961	2,135	—	1.5	-2.5	8.9
Psychology .....	—	821	1,014	1,090	1,110	—	11.1	3.7	1.8
Public affairs and services .....	—	16,105	16,021	16,875	18,537	—	-0.3	2.6	9.8
Social sciences .....	—	2,086	2,584	2,741	2,870	—	11.3	3.0	4.7
Theology .....	—	689	594	568	653	—	-7.1	-2.2	15.0
Interdisciplinary studies .....	—	109,295	117,891	129,723	140,524	—	3.9	4.8	8.3
Bachelor's degrees, total .....	934,800	968,311	991,260	1,016,350	1,046,930	0.9	1.2	1.3	3.0
Agriculture and natural resources .....	21,886	18,015	14,991	13,492	13,070	-4.7	-8.8	-5.1	-3.1
Architecture and environmental design .....	9,455	9,217	8,950	9,150	9,261	-0.6	-1.5	1.1	
Area and ethnic studies .....	2,585	2,851	3,307	3,945	4,399	2.5	7.7	9.2	
Business and management .....	200,857	231,308	241,100	247,175	249,081	3.6	2.1	1.3	
Communications .....	31,282	41,547	45,393	48,645	51,283	7.4	4.5	3.5	5.4
Computer and information sciences .....	15,120	38,589	39,590	30,454	27,434	26.4	1.3	-12.3	-9.9
Education .....	108,265	87,788	87,083	97,082	104,715	-5.1	-0.4	5.6	7.9
Engineering and related technologies .....	74,954	94,560	93,097	85,225	82,110	6.0	-0.8	-4.3	-3.7
Fine and applied arts .....	40,241	37,351	36,2 3	37,925	39,695	-1.8	-1.5	2.3	4.7
Foreign languages .....	10,319	9,845	10,197	10,780	11,328	-1.2	1.8	2.8	5.1
Health professions .....	63,648	63,289	63,213	59,138	58,816	-0.1	-0.1	-3.3	-0.5
Home economics .....	18,370	15,454	14,940	14,715	14,987	-4.2	-1.7	-0.8	1.8
Law .....	776	1,131	1,177	1,976	1,582	9.9	2.0	29.6	-19.9
Letters .....	40,028	40,193	43,116	49,812	54,923	0.1	3.6	7.5	10.3
Library science .....	375	194	140	122	84	-15.2	-15.1	-6.6	-31.1
Life sciences .....	43,216	38,115	38,120	36,059	37,170	-3.1	0.0	-2.7	3.1
Mathematics .....	11,078	14,885	16,444	15,218	14,597	7.7	5.1	-3.8	-4.1
Military Sciences .....	305	298	384	419	417	-0.6	13.5	4.5	-0.5
Physical sciences .....	23,950	23,555	20,071	17,186	16,131	-0.4	-7.7	-7.5	-6.1
Psychology .....	40,833	39,523	42,835	48,737	53,588	-0.8	4.1	6.7	9.9
Public affairs and services .....	36,311	30,572	31,214	34,151	36,032	-4.2	1.0	4.6	5.5
Social sciences .....	100,647	90,795	96,172	107,914	116,925	-2.5	2.9	5.9	8.4
Theology .....	5,807	5,874	5,728	5,317	5,162	0.3	-1.3	-3.7	-2.9
Interdisciplinary studies .....	34,491	33,362	37,765	41,713	44,144	-0.8	6.4	5.1	5.8

Table 3.—Number of degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1980–81 through 1988–89—Continued

Level and field of study	Number of degrees					Average annual percent change			
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81 to 1984–85	1984–85 to 1986–87	1986–87 to 1988–89	1988–89 to 1989–90
Master's degrees, total .....	294,183	280,421	289,341	309,770	321,992	-1.2	1.6	3.5	3.9
Agriculture and natural resources .....	4,003	3,901	3,521	3,245	3,373	-0.6	-5.0	-4.0	3.9
Architecture and environmental design .....	3,153	3,233	3,164	3,383	3,492	0.6	-1.1	3.4	3.2
Area and ethnic studies .....	718	778	853	1,004	1,198	2.0	4.7	8.5	19.3
Business and management .....	57,541	66,596	67,504	73,521	77,203	3.7	0.7	4.4	5.0
Communications .....	3,105	3,521	3,892	4,257	4,369	3.2	5.1	4.6	2.6
Computer and information sciences .....	4,143	6,942	8,481	9,414	9,643	13.8	10.6	5.4	2.4
Education .....	98,380	75,821	75,473	82,533	86,057	-8.3	-0.2	4.6	4.3
Engineering and related technologies....	16,358	20,735	22,658	24,572	24,848	6.1	4.5	4.1	1.1
Fine and applied arts .....	8,629	8,549	8,503	8,265	8,546	-0.2	-0.3	-1.4	3.4
Foreign languages .....	2,104	1,703	1,745	1,898	1,995	-5.1	1.2	4.3	5.1
Health professions .....	16,515	17,082	18,421	19,293	20,354	0.8	3.9	2.3	5.5
Home economics .....	2,570	2,359	2,069	2,166	2,153	-2.1	-6.3	2.3	-0.6
Law .....	1,832	1,774	1,944	2,013	1,869	-0.8	4.7	1.8	-7.2
Letters .....	8,301	6,920	7,234	7,956	8,549	-4.4	2.2	4.9	7.5
Library science .....	4,859	3,846	3,814	3,953	4,349	-5.7	-0.4	1.8	10.0
Life sciences .....	5,978	5,010	4,950	4,961	4,851	-4.3	-0.6	0.1	-2.0
Mathematics .....	2,565	2,831	3,319	3,447	3,677	2.5	8.3	1.9	6.7
Military Sciences .....	0	50	119	0	0	---	54.3	-100.0	---
Physical sciences .....	5,227	5,675	5,630	5,723	5,447	2.1	-0.4	0.8	-4.8
Psychology .....	7,998	8,379	8,124	8,552	9,231	1.2	-1.5	2.6	7.9
Public affairs and services .....	20,074	17,130	18,523	19,417	19,574	-3.9	4.0	2.4	0.8
Social sciences .....	11,917	10,223	10,395	10,867	11,419	-3.8	0.8	2.2	5.1
Theology .....	3,728	3,894	4,841	4,644	4,686	1.1	11.5	-2.1	0.9
Interdisciplinary studies .....	4,485	3,489	4,164	4,686	5,099	-8.1	9.2	6.1	8.8
Doctor's degrees, total .....	32,839	32,307	34,033	35,659	37,980	-0.4	2.6	2.4	6.5
Agriculture and natural resources .....	1,067	1,218	1,048	1,183	1,272	3.3	-7.2	6.2	7.5
Architecture and environmental design .....	93	89	92	88	97	-1.1	1.7	-3.3	12.8
Area and ethnic studies .....	157	134	132	113	128	-3.9	-0.7	-7.5	13.3
Business and management .....	844	849	1,094	1,149	1,142	0.1	13.5	2.5	-0.6
Communications .....	182	219	280	253	269	4.7	13.1	-4.9	6.3
Computer and information sciences .....	252	240	374	551	623	-1.2	24.8	21.4	13.1
Education .....	7,900	7,032	6,909	6,800	6,922	-2.9	-0.9	-0.8	1.8
Engineering and related technologies....	2,551	3,174	3,818	4,523	4,985	5.6	9.7	8.8	9.8
Fine and applied arts .....	654	672	791	752	842	0.7	8.5	-2.5	12.0
Foreign languages .....	588	424	441	420	512	-7.8	2.0	-2.4	21.9
Health professions .....	842	1,172	1,213	1,436	1,543	8.6	1.7	8.8	7.6
Home economics .....	247	278	297	265	303	2.8	3.7	-5.5	14.3
Law .....	60	89	120	78	113	10.4	16.1	-20.4	48.7
Letters .....	1,790	1,666	1,601	1,699	1,698	-1.8	-2.0	3.0	-0..
Library science .....	71	83	57	61	41	4.0	-17.1	3.4	-32.8
Life sciences .....	3,718	3,354	3,417	3,520	3,844	-2.5	0.9	1.5	9.2
Mathematics .....	728	686	723	866	915	-1.5	2.7	9.4	5.7
Military sciences .....	0	0	0	0	0	---	---	---	---
Physical sciences .....	3,140	3,382	3,671	3,858	4,168	1.9	4.2	2.5	8.0
Psychology .....	2,955	2,884	3,056	3,222	3,353	-0.8	3.3	2.7	4.1
Public affairs and services .....	433	444	449	490	567	0.6	0.6	4.5	15.7
Social sciences .....	3,119	2,828	2,915	2,885	3,023	-2.4	1.5	-0.5	4.8
Theology .....	1,169	1,080	1,230	1,162	1,298	-1.7	6.2	-2.8	11.7
Interdisciplinary studies .....	279	324	305	289	342	3.8	-3.0	-2.7	18.3

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
All fields, total .....	—	190,409	190,832	183,963	188,160	—	230,408	245,467	248,181	260,837
Agriculture and natural resources .....	—	4,347	3,691	3,070	3,230	—	1,973	1,767	1,655	1,602
Architecture and environmental design .....	—	211	229	256	268	—	971	1,438	1,559	1,743
Area and ethnic studies .....	—	1	6	8	12	—	9	8	8	56
Business and management .....	—	39,943	36,924	33,524	32,751	—	76,794	78,307	74,105	74,229
Communications .....	—	2,319	2,065	2,122	2,093	—	1,545	1,476	1,621	1,579
Computer and information sciences .....	—	6,102	4,791	3,992	3,820	—	5,741	4,310	3,908	3,784
Education .....	—	2,108	2,113	2,136	2,311	—	4,903	5,220	5,255	5,707
Engineering and related technologies..	—	54,330	56,921	51,039	48,970	—	5,061	5,591	5,329	5,161
Fine and applied arts .....	—	7,566	8,095	7,522	8,041	—	5,319	6,068	5,434	5,882
Foreign languages .....	—	183	231	110	78	—	167	190	214	251
Health professions .....	—	7,758	7,214	7,050	7,969	—	58,106	55,333	52,516	56,159
Home economics .....	—	2,530	2,738	3,308	2,746	—	6,561	6,590	7,197	7,484
Law .....	—	275	287	471	583	—	1,686	2,211	3,271	3,964
Letters .....	—	252	222	220	244	—	393	386	383	416
Library science .....	—	9	19	12	13	—	99	98	91	99
Life sciences .....	—	381	397	414	439	—	471	495	568	595
Mathematics .....	—	429	418	415	489	—	264	248	239	271
Military Sciences .....	—	15	39	133	114	—	0	2	31	15
Physical sciences .....	—	1,252	1,253	1,141	1,317	—	747	808	820	818
Psychology .....	—	244	292	279	285	—	577	722	811	825
Public affairs and services .....	—	10,819	10,537	10,978	12,491	—	5,286	5,484	5,899	6,046
Social sciences .....	—	898	1,095	1,197	1,272	—	1,188	1,489	1,544	1,598
Theology .....	—	390	355	320	389	—	299	239	248	284
Interdisciplinary studies .....	—	48,049	50,900	54,248	58,235	—	61,246	66,991	75,475	82,289
White, non-Hispanic										
Total .....	—	157,278	158,126	150,950	154,301	—	198,065	203,693	203,863	214,228
Agriculture and natural resources .....	—	4,050	3,492	2,918	3,045	—	1,903	1,657	1,683	1,503
Architecture and environmental design .....	—	166	169	191	184	—	862	1,279	1,354	1,490
Area and ethnic studies .....	—	0	2	1	5	—	3	1	2	39
Business and management .....	—	32,633	30,367	27,097	26,429	—	62,259	63,623	59,264	59,199
Communications .....	—	1,980	1,750	1,804	1,809	—	1,346	1,222	1,351	1,320
Computer and information sciences ..	—	5,068	3,855	3,169	2,960	—	4,862	3,255	2,871	2,727
Education .....	—	1,418	1,654	1,585	1,832	—	3,846	4,288	4,290	4,702
Engineering and related technologies..	—	45,574	47,010	42,211	40,491	—	4,051	4,326	4,176	4,079
Fine and applied arts .....	—	6,192	6,811	6,207	6,837	—	4,522	5,165	4,544	5,040
Foreign languages .....	—	149	203	87	51	—	120	150	163	202
Health professions .....	—	6,530	5,945	5,670	6,566	—	51,189	47,931	44,903	48,463
Home economics .....	—	2,261	2,461	2,012	2,343	—	5,015	5,157	5,649	5,711
Law .....	—	210	216	377	451	—	1,487	1,963	2,839	3,474
Letters .....	—	205	172	167	176	—	312	308	307	336
Library science .....	—	8	14	10	8	—	89	90	78	85
Life sciences .....	—	296	288	308	316	—	366	329	422	432
Mathematics .....	—	321	313	305	350	—	204	186	182	211
Military Sciences .....	—	15	37	109	77	—	0	2	24	14
Physical sciences .....	—	1,048	1,080	937	1,092	—	617	687	702	674
Psychology .....	—	204	233	208	220	—	476	592	648	635
Public affairs and services .....	—	9,106	8,794	9,279	10,635	—	4,020	4,197	4,554	4,711
Social sciences .....	—	596	792	857	881	—	791	1,061	1,135	1,219
Theology .....	—	339	308	286	332	—	261	219	224	241
Interdisciplinary studies .....	—	38,931	42,160	44,255	47,211	—	49,664	56,005	62,598	67,721

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Black, non-Hispanic</b>										
Total .....	—	14,184	13,947	12,913	13,171	—	21,607	21,510	21,809	22,107
Agriculture and natural resources .....	—	98	46	24	27	—	19	16	18	20
Architecture and environmental design .....	—	17	10	13	13	—	29	46	55	51
Area and ethnic studies .....	—	1	0	4	5	—	0	3	1	5
Business and management .....	—	3,597	3,479	3,086	2,958	—	8,123	8,220	8,011	7,733
Communications .....	—	222	190	165	137	—	113	139	138	131
Computer and information sciences .....	—	446	415	313	359	—	462	539	551	572
Education .....	—	248	222	254	269	—	405	417	468	461
Engineering and related technologies..	—	3,517	3,751	3,106	3,007	—	502	529	571	482
Fine and applied arts .....	—	462	469	390	357	—	283	315	260	230
Foreign languages .....	—	21	9	2	2	—	8	5	8	6
Health professions .....	—	560	599	543	542	—	4,018	4,279	4,395	4,306
Home economics .....	—	159	131	194	183	—	870	838	821	826
Law .....	—	39	44	44	70	—	89	126	213	273
Letters .....	—	18	16	22	30	—	37	23	23	27
Library science .....	—	1	1	0	2	—	5	4	5	3
Life sciences .....	—	37	21	18	27	—	56	84	50	48
Mathematics .....	—	17	27	15	18	—	7	12	8	3
Military Sciences .....	—	0	0	17	26	—	0	0	5	0
Physical sciences .....	—	57	53	39	59	—	52	51	42	48
Psychology .....	—	22	29	30	34	—	43	48	54	78
Public affairs and services .....	—	897	819	724	798	—	808	810	861	874
Social sciences .....	—	140	155	164	177	—	201	149	167	162
Theology .....	—	21	30	18	14	—	10	4	6	9
Interdisciplinary studies .....	—	3,587	3,431	3,728	4,057	—	5,467	4,853	5,078	5,759
<b>Hispanic</b>										
Total .....	—	8,581	8,764	9,212	9,810	—	10,846	10,581	11,169	12,252
Agriculture and natural resources .....	—	72	61	40	46	—	20	64	26	23
Architecture and environmental design .....	—	6	23	17	30	—	44	50	64	87
Area and ethnic studies .....	—	0	1	0	0	—	1	1	0	0
Business and management .....	—	1,704	1,376	1,477	1,508	—	3,425	3,318	3,316	3,587
Communications .....	—	75	64	76	89	—	55	60	51	54
Computer and information sciences ....	—	216	207	198	198	—	219	208	176	188
Education .....	—	145	124	159	114	—	494	290	296	309
Engineering and related technologies..	—	2,034	2,554	2,349	2,444	—	176	228	216	243
Fine and applied arts .....	—	338	358	397	379	—	196	223	244	217
Foreign languages .....	—	7	5	8	10	—	27	17	28	31
Health professions .....	—	395	374	447	442	—	1,578	1,672	1,608	1,660
Home economics .....	—	42	44	66	66	—	405	352	392	456
Law .....	—	17	19	29	40	—	59	75	105	134
Letters .....	—	8	11	7	17	—	21	21	17	19
Library science .....	—	0	2	1	0	—	2	2	4	1
Life sciences .....	—	19	30	27	32	—	19	24	38	58
Mathematics .....	—	29	22	33	47	—	9	18	17	21
Military Sciences .....	—	0	1	7	10	—	0	0	2	1
Physical sciences .....	—	80	51	62	61	—	31	27	33	35
Psychology .....	—	10	16	25	25	—	33	51	73	84
Public affairs and services .....	—	535	660	638	656	—	315	290	314	276
Social sciences .....	—	101	80	90	120	—	124	176	118	112
Theology .....	—	19	11	9	24	—	11	7	8	6
Interdisciplinary studies .....	—	2,709	2,670	3,050	3,452	—	3,582	3,407	4,023	4,652

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Asian or Pacific Islander</b>										
Total .....	—	5,492	6,172	6,375	6,470	—	4,422	5,622	6,158	6,956
Agriculture and natural resources .....	—	22	20	13	9	—	6	7	9	15
Architecture and environmental design .....	—	9	19	15	26	—	18	35	47	62
Area and ethnic studies .....	—	0	0	1	0	—	0	0	0	0
Business and management .....	—	900	997	1,052	1,053	—	1,524	1,856	1,972	2,265
Communications .....	—	26	24	27	33	—	6	17	23	31
Computer and information sciences .....	—	211	199	171	191	—	236	205	186	174
Education .....	—	253	57	46	19	—	38	73	59	63
Engineering and related technologies..	—	1,973	2,587	2,341	2,139	—	238	392	246	284
Fine and applied arts .....	—	406	308	383	330	—	181	154	201	212
Foreign languages .....	—	1	5	4	6	—	7	8	3	1
Health professions .....	—	174	173	233	255	—	672	855	924	1,002
Home economics .....	—	49	66	90	114	—	121	141	181	204
Law .....	—	5	3	2	7	—	24	37	40	47
Letters .....	—	1	14	7	12	—	1	20	9	15
Library science .....	—	0	1	0	0	—	3	2	2	4
Life sciences .....	—	13	25	34	40	—	18	37	28	45
Mathematics .....	—	34	48	44	55	—	29	26	23	23
Military Sciences .....	—	0	0	0	1	—	0	0	0	0
Physical sciences .....	—	39	36	68	76	—	32	31	26	46
Psychology .....	—	1	6	5	2	—	7	14	9	16
Public affairs and services .....	—	136	133	175	207	—	50	78	66	78
Social sciences .....	—	24	37	43	56	—	15	58	69	47
Theology .....	—	2	1	2	12	—	3	2	6	4
Interdisciplinary studies .....	—	1,213	1,417	1,619	1,827	—	1,195	1,574	2,027	2,248
<b>American Indian/Alaskan Native</b>										
Total .....	—	1,198	1,263	1,325	1,436	—	1,755	1,933	2,010	2,089
Agriculture and natural resources .....	—	41	36	29	33	—	12	15	6	13
Architecture and environmental design .....	—	2	1	2	2	—	2	3	3	5
Area and ethnic studies .....	—	0	3	2	2	—	5	3	5	2
Business and management .....	—	234	203	192	212	—	562	608	591	540
Communications .....	—	4	9	12	7	—	7	13	8	7
Computer and information sciences .....	—	16	20	24	25	—	36	27	39	50
Education .....	—	23	33	42	52	—	78	101	86	124
Engineering and related technologies..	—	313	320	363	307	—	41	40	51	34
Fine and applied arts .....	—	74	98	64	76	—	42	89	43	50
Foreign languages .....	—	0	6	5	6	—	0	5	5	5
Health professions .....	—	45	51	56	78	—	327	352	357	364
Home economics .....	—	9	17	15	12	—	54	37	62	55
Law .....	—	0	5	8	9	—	7	6	28	15
Letters .....	—	1	4	9	4	—	4	4	11	7
Library science .....	—	0	0	1	3	—	0	0	2	5
Life sciences .....	—	4	5	9	6	—	4	13	12	7
Mathematics .....	—	4	2	6	8	—	0	2	3	6
Military Sciences .....	—	0	1	0	0	—	0	0	0	0
Physical sciences .....	—	7	3	1	5	—	7	3	2	2
Psychology .....	—	2	6	5	3	—	9	11	8	6
Public affairs and services .....	—	64	60	88	109	—	62	84	71	83
Social sciences .....	—	10	18	15	23	—	25	34	30	39
Theology .....	—	0	0	0	0	—	1	1	2	0
Interdisciplinary studies .....	—	345	364	377	454	—	470	482	585	670

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Nonresident alien</b>										
Total .....	—	3,698	2,560	3,188	2,972	—	2,711	2,128	3,174	3,205
Agriculture and natural resources .....	—	84	38	48	70	—	13	8	13	28
Architecture and environmental design .....	—	11	7	18	13	—	16	23	36	48
Area and ethnic studies .....	—	0	0	0	0	—	0	0	0	10
Business and management .....	—	875	502	620	591	—	901	682	951	905
Communications .....	—	32	28	38	18	—	18	25	50	36
Computer and information sciences .....	—	147	95	117	87	—	126	76	85	73
Education .....	—	19	23	50	25	—	42	51	58	48
Engineering and related technologies..	—	919	699	669	582	—	55	78	60	59
Fine and applied arts .....	—	94	55	81	62	—	95	120	142	133
Foreign languages .....	—	5	3	4	3	—	5	5	7	6
Health professions .....	—	54	72	101	86	—	322	244	329	364
Home economics .....	—	10	19	31	28	—	96	65	92	142
Law .....	—	4	0	11	6	—	20	4	46	21
Letters .....	—	19	5	8	5	—	18	10	16	12
Library science .....	—	0	1	0	0	—	0	0	0	1
Life sciences .....	—	12	28	18	18	—	8	8	18	7
Mathematics .....	—	24	8	12	11	—	15	4	6	7
Military Sciences .....	—	0	0	0	0	—	0	0	0	0
Physical sciences .....	—	21	30	34	24	—	8	9	15	13
Psychology .....	—	5	2	6	1	—	9	6	19	6
Public affairs and services .....	—	81	71	72	86	—	31	25	33	24
Social sciences .....	—	27	13	28	15	—	32	11	26	19
Theology .....	—	9	5	5	7	—	13	8	2	4
Interdisciplinary studies .....	—	1,264	858	1,219	1,234	—	868	670	1,164	1,239

— Data not available on associates until 1984-85.

NOTE: Data for 1980-81 and 1984-85 do not include imputations for race/ethnicity. Data for 1988-89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1988-87	1988-89	1989-90	1980-81	1984-85	1988-87	1988-89	1989-90
All fields, total .....	409,825	476,148	480,780	481,946	490,101	465,175	492,163	510,480	534,404	556,829
Agriculture and natural resources .....	15,154	12,427	10,314	9,298	8,955	6,732	6,588	4,877	4,194	4,115
Architecture and environmental design .....	6,800	5,946	5,617	5,545	5,637	2,655	3,271	3,333	3,605	3,624
Area and ethnic studies .....	1,031	1,092	1,249	1,610	1,760	1,554	1,759	2,058	2,335	2,639
Business and management .....	127,058	126,762	128,920	131,630	132,704	73,799	104,546	112,180	115,545	116,377
Communications .....	14,179	17,039	18,153	19,247	20,191	17,103	24,508	27,240	29,398	31,092
Computer and information sciences .....	10,202	24,386	25,866	21,087	19,178	4,918	14,203	13,724	9,367	8,256
Education .....	27,069	21,146	20,759	21,681	22,980	81,198	68,642	68,324	75,401	81,735
Engineering and related technologies .....	67,255	82,095	80,349	73,815	70,807	7,899	12,465	12,748	11,610	11,303
Fine and applied arts .....	14,624	14,190	13,785	14,610	15,325	25,617	23,161	22,448	23,315	24,370
Foreign languages .....	2,520	2,606	2,792	2,875	3,010	7,799	7,239	7,405	7,905	8,316
Health professions .....	10,519	9,534	9,177	8,947	9,235	53,130	53,755	54,038	50,191	49,581
Home economics .....	916	1,002	1,115	1,380	1,480	17,454	14,452	13,825	13,335	13,507
Law .....	388	445	369	785	510	388	686	808	1,191	1,072
Letters .....	16,107	15,787	16,525	18,403	20,248	23,921	24,406	26,591	31,409	34,875
Library science .....	22	25	20	16	16	353	169	120	106	68
Life sciences .....	24,149	19,905	19,656	17,953	18,325	19,067	18,210	18,484	18,106	18,845
Mathematics .....	6,342	8,010	8,792	8,189	7,812	4,738	6,875	7,652	7,029	6,785
Military Sciences .....	293	272	358	378	384	12	26	26	41	33
Physical sciences .....	18,062	16,972	14,372	12,077	11,091	5,888	6,583	5,699	5,109	5,040
Psychology .....	14,295	12,596	13,328	14,227	15,291	26,538	26,927	29,507	34,510	38,295
Public affairs and services .....	15,268	13,894	14,151	15,795	16,826	21,045	16,678	17,063	18,356	19,206
Social sciences .....	58,158	50,789	53,870	60,011	65,248	44,491	40,006	42,302	47,803	51,877
Theology .....	4,334	4,278	4,330	4,101	3,019	1,473	1,596	1,308	1,216	1,243
Interdisciplinary studies .....	18,884	14,950	16,913	18,488	19,169	17,607	18,412	20,852	23,227	24,975
White, non-Hispanic										
Total .....	406,173	405,085	406,751	407,142	413,469	401,146	421,021	435,069	452,557	469,527
Agriculture and natural resources .....	13,908	11,252	9,406	8,506	8,119	6,326	5,177	4,251	3,761	3,715
Architecture and environmental design .....	5,778	4,888	4,501	4,419	4,554	2,291	2,759	2,770	2,969	3,009
Area and ethnic studies .....	900	874	997	1,231	1,403	1,342	1,368	1,652	1,814	1,997
Business and management .....	112,267	109,130	111,091	113,141	114,068	61,931	87,785	94,027	95,184	95,331
Communications .....	12,541	14,940	15,941	16,927	17,836	14,932	21,216	23,552	25,606	26,804
Computer and information sciences .....	8,622	20,188	20,480	16,210	14,584	3,943	11,133	9,771	8,156	5,209
Education .....	22,876	18,119	18,050	19,233	20,438	70,848	59,412	60,166	69,043	74,828
Engineering and related technologies .....	54,453	66,478	63,608	58,001	55,256	6,395	9,960	9,680	8,560	8,208
Fine and applied arts .....	12,768	12,257	11,875	12,576	13,221	23,165	20,688	19,796	20,507	21,429
Foreign languages .....	2,067	2,153	2,287	2,338	2,468	6,547	6,081	6,134	6,443	6,698
Health professions .....	9,276	8,114	7,780	7,534	7,717	47,514	47,387	47,020	43,519	42,348
Home economics .....	745	841	909	1,172	1,254	15,515	12,783	12,163	11,681	11,820
Law .....	368	364	334	668	434	363	602	740	1,057	944
Letters .....	14,748	14,277	14,936	16,672	18,219	21,567	21,926	23,887	28,065	30,861
Library science .....	18	17	16	12	13	321	158	106	93	63
Life sciences .....	21,085	16,805	16,393	14,813	14,863	16,191	15,002	14,886	14,261	14,656
Mathematics .....	5,422	6,508	7,216	6,704	6,406	4,023	5,654	6,340	5,775	5,641
Military Sciences .....	278	259	336	325	339	11	25	24	31	24
Physical sciences .....	16,124	15,050	12,505	10,343	9,478	5,122	5,610	4,654	4,149	3,997
Psychology .....	12,215	10,663	11,540	12,272	13,122	22,486	23,085	25,474	29,517	32,700
Public affairs and services .....	12,476	11,225	11,653	13,002	13,947	16,834	13,115	13,548	14,441	15,085
Social sciences .....	48,509	43,787	46,493	51,761	56,153	37,026	33,330	35,166	39,352	42,265
Theology .....	3,964	3,836	3,950	3,667	3,469	1,388	1,433	1,286	1,107	1,078
Interdisciplinary studies .....	14,765	12,857	14,444	15,815	16,128	15,065	15,354	17,376	19,466	20,816

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1988-87	1988-89	1989-90	1980-81	1984-85	1988-87	1988-89	1989-90
<b>Black, non-Hispanic</b>										
Total .....	24,511	23,018	22,499	22,363	23,276	36,162	34,455	34,056	35,702	37,798
Agriculture and natural resources .....	259	256	182	173	200	121	114	117	137	122
Architecture and environmental design .....	210	215	198	186	205	90	113	79	94	108
Area and ethnic studies .....	20	82	85	98	128	47	137	116	138	199
Business and management .....	6,503	6,442	6,051	6,060	6,313	6,897	8,557	8,635	8,045	9,413
Communications .....	980	1,165	1,125	1,150	1,177	1,425	1,970	2,103	2,058	2,319
Computer and information sciences .....	394	1,036	1,329	1,235	1,119	392	1,107	1,599	1,298	1,236
Education .....	2,587	1,569	1,348	1,151	1,189	6,907	3,887	2,905	3,094	3,200
Engineering and related technologies....	2,020	2,435	2,580	2,342	2,393	429	724	921	877	879
Fine and applied arts .....	811	716	660	639	675	1,024	827	708	733	741
Foreign languages .....	76	91	87	82	78	217	221	234	281	256
Health professions .....	436	484	481	467	515	3,167	3,352	3,341	3,514	3,677
Home economics .....	83	94	98	106	112	1,042	858	781	789	823
Law .....	9	40	14	48	31	13	45	38	81	73
Letters .....	686	652	625	640	699	1,314	1,196	1,197	1,442	1,564
Library science .....	2	5	0	1	1	28	11	9	7	2
Life sciences .....	954	806	740	710	672	1,315	1,239	1,192	1,232	1,365
Mathematics .....	278	373	402	380	349	308	393	444	421	385
Military Sciences .....	5	3	1	31	19	1	1	0	6	5
Physical sciences .....	613	455	445	371	304	293	374	399	333	368
Psychology .....	1,040	751	683	668	825	2,268	1,916	1,852	2,171	2,442
Public affairs and services .....	1,726	1,532	1,479	1,638	1,703	3,143	2,546	2,459	2,650	2,703
Social sciences .....	3,696	2,778	2,676	2,871	3,120	4,433	3,322	3,266	3,652	4,028
Theology .....	142	156	142	162	174	24	39	35	23	68
Interdisciplinary studies .....	1,003	882	1,068	1,176	1,275	1,264	1,506	1,626	1,648	1,824
<b>Hispanic</b>										
Total .....	10,810	12,402	12,864	13,947	14,871	11,022	13,472	14,126	15,963	17,815
Agriculture and natural resources .....	181	165	152	158	146	67	77	79	84	65
Architecture and environmental design .....	203	231	233	233	247	67	104	105	126	120
Area and ethnic studies .....	41	68	58	62	82	63	100	88	113	131
Business and management .....	2,560	2,988	3,251	3,495	3,581	1,554	2,783	3,146	3,522	3,601
Communications .....	258	358	402	460	480	299	542	609	724	861
Computer and information sciences .....	193	484	615	564	548	109	342	462	332	314
Education .....	754	597	518	579	643	2,093	1,936	1,705	1,702	2,210
Engineering and related technologies....	1,302	1,935	2,178	2,056	2,205	131	307	375	391	385
Fine and applied arts .....	345	371	369	446	478	434	435	482	544	581
Foreign languages .....	258	237	209	264	296	651	562	599	705	835
Health professions .....	262	309	255	270	318	891	1,241	1,077	1,127	1,292
Home economics .....	17	25	18	32	43	213	221	214	252	280
Law .....	4	20	11	37	25	6	24	14	20	25
Letters .....	278	357	343	404	536	416	464	535	726	899
Library science .....	1	0	0	0	0	0	0	3	2	0
Life sciences .....	648	681	657	653	670	496	560	602	605	618
Mathematics .....	113	148	170	191	207	72	109	99	121	145
Military Sciences .....	3	7	12	8	8	0	0	1	4	2
Physical sciences .....	297	310	287	276	228	108	107	136	110	121
Psychology .....	490	432	459	549	607	815	899	942	1,255	1,461
Public affairs and services .....	590	612	523	648	658	586	602	613	736	828
Social sciences .....	1,549	1,557	1,564	1,890	2,122	1,339	1,289	1,319	1,768	1,959
Theology .....	74	86	63	69	80	14	33	18	27	16
Interdisciplinary studies .....	389	424	517	603	663	598	735	903	987	1,086

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Asian or Pacific Islander</b>										
Total .....	10,107	13,554	17,249	19,271	19,617	8,687	11,841	15,369	18,415	19,442
Agriculture and natural resources .....	200	141	161	105	138	112	104	122	121	110
Architecture and environmental design .....	217	188	208	223	289	79	112	157	204	183
Area and ethnic studies .....	39	41	77	144	81	79	93	137	190	220
Business and management .....	2,121	2,644	2,873	3,633	3,643	1,822	2,630	3,129	4,340	4,683
Communications .....	153	204	358	364	312	215	360	563	582	623
Computer and information sciences .....	410	1,158	1,542	1,455	1,392	259	886	1,004	906	852
Education .....	258	240	312	282	264	465	530	780	844	667
Engineering and related technologies....	2,699	4,132	5,347	5,876	5,847	367	881	1,150	1,227	1,275
Fine and applied arts .....	289	333	418	466	485	499	576	776	901	892
Foreign languages .....	39	45	140	139	87	171	165	201	258	290
Health professions .....	299	298	337	400	403	1,013	1,012	1,240	1,310	1,479
Home economics .....	41	19	46	34	41	354	288	377	415	369
Law .....	2	18	9	26	11	3	10	13	28	23
Letters .....	167	223	352	411	510	293	362	591	773	872
Library science .....	0	1	0	1	1	2	0	0	2	0
Life sciences .....	830	1,022	1,343	1,475	1,613	659	928	1,277	1,479	1,709
Mathematics .....	223	470	540	531	501	168	410	510	498	392
Military Sciences .....	4	3	1	4	4	0	0	0	0	1
Physical sciences .....	412	504	615	634	607	184	259	303	297	353
Psychology .....	293	277	417	501	505	546	553	771	1,065	1,173
Public affairs and services .....	187	161	196	271	241	229	184	212	231	275
Social sciences .....	860	1,002	1,448	1,947	2,143	785	1,032	1,494	2,023	2,172
Theology .....	43	54	67	94	84	15	26	25	27	38
Interdisciplinary studies .....	321	376	444	475	615	368	460	537	694	791
<b>American Indian/Alaskan Native</b>										
Total .....	1,700	1,998	1,819	1,731	1,828	1,893	2,248	2,152	2,223	2,510
Agriculture and natural resources .....	81	47	38	45	49	15	23	20	24	27
Architecture and environmental design .....	20	24	15	28	16	4	11	11	11	9
Area and ethnic studies .....	3	7	9	7	13	1	9	20	18	15
Business and management .....	388	495	400	350	392	248	426	383	447	436
Communications .....	51	61	58	58	75	59	94	74	71	102
Computer and information sciences .....	17	78	63	56	56	4	63	53	32	31
Education .....	164	165	124	170	157	405	318	328	363	441
Engineering and related technologies....	173	263	247	234	188	22	50	42	46	29
Fine and applied arts .....	73	73	82	52	68	114	127	102	72	95
Foreign languages .....	10	4	10	6	6	15	19	14	30	23
Health professions .....	39	49	46	45	38	170	224	228	194	225
Home economics .....	1	5	18	5	1	72	68	101	46	65
Law .....	1	2	1	4	7	1	2	1	1	3
Letters .....	44	65	48	68	78	59	96	62	114	148
Library science .....	1	0	0	0	0	1	0	0	0	0
Life sciences .....	67	89	79	70	74	70	72	68	76	59
Mathematics .....	10	36	33	37	24	8	23	20	14	23
Military Sciences .....	1	0	1	0	0	0	0	0	0	0
Physical sciences .....	44	65	46	44	53	21	33	28	18	21
Psychology .....	68	75	65	60	70	128	126	121	152	148
Public affairs and services .....	91	76	78	76	96	133	126	121	152	174
Social sciences .....	241	229	249	213	255	233	218	215	201	258
Theology .....	5	10	13	8	5	0	10	2	4	7
Interdisciplinary studies .....	107	82	96	95	107	110	110	138	137	172

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Nonresident alien</b>										
Total .....	16,324	20,091	19,598	17,492	17,040	8,265	9,126	9,708	9,544	9,737
Agriculture and natural resources .....	525	568	375	311	303	91	93	88	87	76
Architecture and environmental design .....	372	400	462	456	326	124	172	211	201	197
Area and ethnic studies .....	28	20	23	68	53	22	52	45	62	77
Business and management .....	3,219	5,063	5,254	4,951	4,707	1,347	2,365	2,860	3,007	2,914
Communications .....	196	311	271	288	311	173	326	339	359	383
Computer and information sciences .....	566	1,444	1,837	1,567	1,499	211	672	835	643	614
Education .....	430	456	407	286	289	478	559	440	355	388
Engineering and related technologies....	6,808	6,852	6,389	5,308	5,118	355	543	580	509	527
Fine and applied arts .....	338	440	381	431	398	381	508	584	558	632
Foreign languages .....	70	76	59	66	75	198	211	223	208	214
Health professions .....	207	280	268	231	244	375	539	530	527	560
Home economics .....	29	18	28	31	29	258	234	189	152	170
Law .....	4	1	0	4	2	2	3	2	4	4
Letters .....	204	213	221	208	206	272	362	319	289	331
Library science .....	0	2	4	2	1	1	2	2	2	3
Life sciences .....	565	502	444	432	433	338	408	439	453	438
Mathematics .....	298	475	431	346	325	157	286	239	200	199
Military Sciences .....	2	0	7	10	14	0	0	1	0	1
Physical sciences .....	572	688	474	409	421	160	200	179	202	180
Psychology .....	189	195	164	177	162	295	348	347	350	371
Public affairs and services .....	196	288	222	160	181	120	125	110	146	141
Social sciences .....	1,301	1,436	1,440	1,329	1,455	675	815	842	907	995
Theology .....	106	136	95	101	107	32	55	32	28	36
Interdisciplinary studies .....	299	329	344	322	381	202	247	272	295	286

NOTE: Data for 1980-81 and 1984-85 do not include imputations for race/ethnicity. Data for 1988-89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1988-87	1988-89	1989-90	1980-81	1984-85	1988-87	1988-89	1989-90
All fields, total .....	145,666	139,417	141,264	148,872	152,907	148,517	141,004	148,077	160,898	169,085
Agriculture and natural resources .....	3,081	2,828	2,460	2,231	2,245	942	1,073	1,081	1,014	1,128
Architecture and environmental design .....	2,234	2,124	2,086	2,192	2,221	919	1,109	1,078	1,191	1,271
Area and ethnic studies .....	335	380	457	511	656	383	398	396	493	542
Business and management .....	43,045	45,884	45,219	48,869	50,983	14,496	20,712	22,285	24,652	26,220
Communications .....	1,448	1,470	1,589	1,737	1,712	1,657	2,051	2,303	2,520	2,657
Computer and information sciences .....	3,176	4,936	5,985	6,775	6,968	967	2,006	2,496	2,639	2,675
Education .....	28,070	20,844	19,635	20,287	20,834	70,301	54,977	55,838	62,246	65,223
Engineering and related technologies....	14,998	18,505	19,808	21,378	21,429	1,360	2,230	2,850	3,194	3,419
Fine and applied arts .....	4,058	3,808	3,758	3,611	3,749	4,573	4,743	4,747	4,654	4,797
Foreign languages .....	694	550	516	593	627	1,410	1,153	1,229	1,305	1,368
Health professions .....	4,318	4,052	3,885	4,235	4,534	12,199	13,010	14,536	15,058	15,820
Home economics .....	252	287	256	307	310	2,318	2,092	1,813	1,859	1,843
Law .....	1,506	1,363	1,423	1,431	1,311	326	411	521	582	558
Letters .....	3,229	2,680	2,840	3,050	3,297	5,072	4,240	4,394	4,906	5,252
Library science .....	841	749	798	820	960	4,018	3,097	3,018	3,133	3,389
Life sciences .....	3,654	2,620	2,538	2,492	2,377	2,324	2,390	2,412	2,469	2,484
Mathematics .....	1,690	1,843	2,022	2,089	2,205	875	988	1,297	1,358	1,472
Military Sciences .....	0	49	118	0	0	0	1	1	0	0
Physical sciences .....	4,144	4,355	4,220	4,199	4,008	1,083	1,320	1,410	1,524	1,439
Psychology .....	3,358	3,042	2,828	2,782	2,992	4,640	5,337	5,298	5,770	6,239
Public affairs and services .....	8,957	6,704	7,120	7,298	7,156	11,117	10,426	11,403	12,119	12,418
Social sciences .....	7,442	6,298	6,293	6,510	6,758	4,475	3,925	4,102	4,357	4,661
Theology .....	2,461	2,521	3,193	3,007	2,998	1,267	1,373	1,648	1,637	1,688
Interdisciplinary studies .....	2,690	1,547	2,221	2,468	2,577	1,795	1,942	1,943	2,218	2,522
<b>White, non-Hispanic</b>										
Total .....	115,562	106,059	105,573	109,709	112,976	125,654	117,569	123,297	133,047	138,542
Agriculture and natural resources .....	2,298	2,005	1,680	1,465	1,499	785	860	858	760	819
Architecture and environmental design .....	1,667	1,416	1,419	1,459	1,514	724	862	831	895	900
Area and ethnic studies .....	260	249	310	370	489	272	259	275	321	374
Business and management .....	35,380	37,256	35,505	38,288	40,334	12,094	17,407	18,077	19,497	20,661
Communications .....	1,183	1,167	1,233	1,353	1,300	1,373	1,665	1,839	1,997	2,067
Computer and information sciences .....	2,153	3,052	3,475	3,826	3,926	665	1,251	1,578	1,490	1,511
Education .....	23,291	17,047	16,431	17,048	17,315	59,488	46,255	48,081	54,071	55,229
Engineering and related technologies....	9,177	11,012	11,742	12,119	12,170	970	1,588	2,006	2,126	2,167
Fine and applied arts .....	3,534	3,203	3,132	2,967	3,010	4,090	4,031	3,973	3,733	3,875
Foreign languages .....	541	390	351	397	413	1,095	832	828	882	920
Health professions .....	3,443	3,170	3,048	3,224	3,542	10,732	11,395	12,676	13,053	13,605
Home economics .....	193	219	206	238	238	1,998	1,742	1,525	1,567	1,545
Law .....	1,129	927	809	840	778	237	282	291	334	311
Letters .....	2,768	2,216	2,315	2,482	2,647	4,440	3,600	3,728	4,131	4,406
Library science .....	733	652	679	712	819	3,591	2,746	2,639	2,747	2,978
Life sciences .....	3,223	2,125	2,038	1,888	1,785	1,987	1,954	1,906	1,919	1,883
Mathematics .....	1,212	1,170	1,247	1,234	1,351	678	703	866	895	944
Military Sciences .....	—	42	101	0	0	—	0	0	0	0
Physical sciences .....	3,255	3,144	3,023	2,882	2,675	860	1,001	1,039	1,065	936
Psychology .....	2,945	2,600	2,471	2,389	2,552	4,071	4,618	4,622	5,010	5,286
Public affairs and services .....	7,212	5,254	5,465	5,572	5,455	9,223	8,595	9,402	9,988	10,145
Social sciences .....	5,571	4,326	4,316	4,480	4,618	3,579	3,007	3,125	3,223	3,381
Theology .....	2,119	2,106	2,658	2,386	2,362	1,163	1,223	1,450	1,408	1,413
Interdisciplinary studies .....	2,275	1,311	1,919	2,090	2,184	1,539	1,693	1,704	1,935	2,186

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
<b>Black, non-Hispanic</b>										
Total .....	6,158	5,200	5,151	5,175	5,492	10,975	8,739	8,716	8,921	9,839
Agriculture and natural resources .....	53	50	63	41	36	20	25	16	12	14
Architecture and environmental design .....	74	80	48	58	59	48	43	29	44	53
Area and ethnic studies .....	2	19	10	16	18	12	22	29	13	24
Business and management .....	1,554	1,574	1,637	1,742	1,805	805	1,027	1,173	1,320	1,539
Communications .....	65	63	83	85	79	122	120	142	138	158
Computer and information sciences .....	52	108	136	126	158	18	72	86	85	101
Education .....	2,061	1,325	1,127	1,114	1,171	6,584	4,487	4,123	4,196	4,414
Engineering and related technologies .....	222	300	351	308	332	38	60	98	100	115
Fine and applied arts .....	148	107	129	101	129	118	122	111	98	117
Foreign languages .....	10	9	9	7	13	23	17	20	14	17
Health professions .....	197	179	139	179	169	692	640	717	676	763
Home economics .....	11	15	12	12	10	121	107	78	67	95
Law .....	27	40	26	33	28	11	21	18	25	14
Letters .....	72	62	68	76	56	178	109	114	105	123
Library science .....	33	24	25	25	34	183	148	121	105	138
Life sciences .....	82	67	84	58	53	89	84	91	66	82
Mathematics .....	33	34	47	33	39	34	19	29	29	35
Military Sciences .....	—	3	7	0	0	—	1	1	0	0
Physical sciences .....	79	61	48	56	64	28	28	36	23	27
Psychology .....	164	146	123	126	139	260	280	275	289	353
Public affairs and services .....	713	592	604	601	691	1,180	1,008	1,114	1,180	1,301
Social sciences .....	311	234	226	197	220	304	188	190	198	227
Theology .....	58	61	86	101	118	13	32	35	44	64
Interdisciplinary studies .....	136	47	63	84	71	94	79	70	85	87
<b>Hispanic</b>										
Total .....	3,085	3,059	3,330	3,328	3,566	3,376	3,805	3,714	3,954	4,339
Agriculture and natural resources .....	50	48	30	39	26	13	16	14	17	20
Architecture and environmental design .....	52	70	68	68	70	13	23	25	22	33
Area and ethnic studies .....	18	28	30	21	26	21	26	23	38	25
Business and management .....	676	812	954	983	1,039	193	363	483	598	592
Communications .....	24	22	31	24	38	19	49	39	46	44
Computer and information sciences .....	45	65	98	99	105	15	29	34	47	28
Education .....	869	668	601	590	699	1,962	1,851	1,631	1,804	1,836
Engineering and related technologies .....	251	299	456	385	377	27	41	73	78	72
Fine and applied arts .....	77	78	65	93	100	55	80	77	73	88
Foreign languages .....	60	49	42	50	53	114	125	120	105	130
Health professions .....	86	89	72	103	123	165	207	306	299	330
Home economics .....	5	0	3	12	4	26	40	22	35	31
Law .....	42	24	30	23	22	10	15	20	9	14
Letters .....	48	45	57	63	88	83	73	61	96	134
Library science .....	9	18	14	11	21	49	35	34	50	33
Life sciences .....	36	48	40	58	49	33	61	46	54	45
Mathematics .....	31	28	39	20	32	9	21	16	10	15
Military Sciences .....	—	2	5	0	0	—	0	0	0	0
Physical sciences .....	45	87	85	53	55	10	20	31	24	26
Psychology .....	78	114	91	108	105	101	159	152	194	201
Public affairs and services .....	310	221	275	253	258	319	396	353	369	416
Social sciences .....	181	159	154	145	154	99	113	91	99	130
Theology .....	36	44	63	74	55	14	18	25	25	23
Interdisciplinary studies .....	56	41	27	53	67	26	44	38	62	73

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women <sup>1</sup>				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Asian or Pacific Islander</b>										
Total .....	3,773	4,842	5,238	6,050	6,070	2,509	2,940	3,320	4,286	4,576
Agriculture and natural resources .....	50	55	36	29	30	17	20	22	20	29
Architecture and environmental design .....	75	75	57	73	78	37	41	35	45	50
Area and ethnic studies .....	11	18	25	25	25	27	30	13	24	31
Business and management .....	1,161	1,449	1,531	1,850	1,902	472	621	773	1,074	1,102
Communications .....	30	24	29	45	60	36	23	50	47	95
Computer and information sciences .....	205	414	561	593	688	74	201	273	354	364
Education .....	291	238	232	259	254	682	563	492	702	769
Engineering and related technologies....	974	1,395	1,552	1,795	1,682	105	178	205	303	330
Fine and applied arts .....	68	86	75	78	90	92	142	184	198	174
Foreign languages .....	7	4	8	10	12	19	24	28	33	30
Health professions .....	164	174	152	165	194	284	302	337	386	439
Home economics .....	7	4	5	4	6	58	54	44	45	44
Law .....	32	34	53	33	14	5	13	25	18	14
Letters .....	44	55	68	69	64	70	82	91	137	120
Library science .....	13	9	21	29	21	56	62	72	83	72
Life sciences .....	62	86	89	107	101	83	93	109	122	135
Mathematics .....	64	108	116	125	112	33	56	77	64	82
Military Sciences .....	---	0	0	0	0	---	0	0	0	0
Physical sciences .....	115	154	174	182	150	38	59	67	104	99
Psychology .....	34	48	35	43	44	43	81	85	82	122
Public affairs and services .....	149	112	158	175	145	157	159	179	233	232
Social sciences .....	147	231	152	184	214	86	97	98	135	158
Theology .....	39	42	70	107	115	16	17	42	41	44
Interdisciplinary studies .....	31	27	39	70	69	21	22	39	38	41
<b>American Indian/Alaskan Native</b>										
Total .....	501	583	517	476	465	533	673	587	610	643
Agriculture and natural resources .....	4	4	4	6	7	3	2	2	0	4
Architecture and environmental design .....	4	10	7	3	0	1	0	1	5	7
Area and ethnic studies .....	3	5	4	5	4	3	3	1	2	5
Business and management .....	128	189	112	116	132	27	82	58	65	61
Communications .....	3	3	5	2	4	6	8	7	12	6
Computer and information sciences .....	10	28	20	38	6	2	13	3	3	2
Education .....	159	139	120	115	106	294	329	256	266	299
Engineering and related technologies....	26	45	58	33	33	5	4	6	5	9
Fine and applied arts .....	9	17	24	14	15	13	23	23	19	20
Foreign languages .....	1	1	3	1	1	7	4	1	1	2
Health professions .....	17	14	12	21	21	37	47	50	58	62
Home economics .....	1	0	3	1	1	9	11	14	8	5
Law .....	1	2	3	1	1	0	1	1	2	0
Letters .....	8	11	11	7	13	10	13	12	18	19
Library science .....	1	2	1	4	3	16	10	8	14	14
Life sciences .....	9	8	4	8	8	6	10	7	8	6
Mathematics .....	6	4	1	5	4	1	3	2	1	2
Military Sciences .....	---	0	0	0	0	---	0	0	0	0
Physical sciences .....	9	19	7	11	6	2	2	2	6	3
Psychology .....	13	16	13	11	14	19	21	24	22	25
Public affairs and services .....	47	33	60	33	43	45	56	84	63	49
Social sciences .....	28	25	17	31	26	16	18	6	21	34
Theology .....	1	3	6	4	11	0	2	2	5	3
Interdisciplinary studies .....	13	5	22	6	6	11	11	17	6	6

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Nonresident alien</b>										
Total .....	16,587	19,674	21,455	24,134	24,338	5,470	7,278	8,443	10,080	11,146
Agriculture and natural resources .....	606	666	647	651	647	104	150	151	205	242
Architecture and environmental design ..	362	473	487	533	500	96	140	157	180	228
Area and ethnic studies .....	41	61	78	74	94	48	58	55	95	83
Business and management .....	4,146	4,604	5,480	5,890	5,771	905	1,212	1,721	2,098	2,265
Communications .....	143	191	208	228	231	101	186	226	280	289
Computer and information sciences .....	711	1,269	1,695	2,093	2,085	193	440	522	680	689
Education .....	1,408	1,427	1,124	1,161	1,289	1,291	1,492	1,275	1,407	1,676
Engineering and related technologies....	4,348	5,454	5,649	6,740	6,835	215	359	462	573	728
Fine and applied arts .....	219	315	331	358	405	205	345	399	533	523
Foreign languages .....	75	97	103	128	135	152	151	232	270	269
Health professions .....	409	426	482	543	485	289	419	450	586	621
Home economics .....	35	29	27	40	51	108	138	130	137	123
Law .....	275	336	502	501	468	63	79	168	196	205
Letters .....	289	291	321	353	429	291	363	388	419	450
Library science .....	52	44	58	39	62	123	96	144	134	154
Life sciences .....	242	286	283	373	381	126	188	253	300	353
Mathematics .....	344	499	572	672	667	120	186	307	359	394
Military Sciences .....	---	2	5	0	0	---	0	0	0	0
Physical sciences .....	641	890	883	1,015	1,058	145	210	235	302	348
Psychology .....	124	118	95	105	138	146	178	138	173	252
Public affairs and services .....	526	492	558	664	564	193	212	271	286	275
Social sciences .....	1,204	1,323	1,428	1,473	1,528	391	502	592	681	731
Theology .....	208	265	310	335	337	61	81	94	114	141
Interdisciplinary studies .....	179	118	151	165	180	104	93	75	92	129

—Data not available.

NOTE: Data for 1980-81 and 1984-85 do not include imputations for race/ethnicity. Data for 1988-89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
All fields, total .....	22,595	21,296	22,059	22,597	24,218	10,244	11,011	11,974	13,062	13,762
Agriculture and natural resources .....	940	1,039	871	950	1,029	127	177	177	233	243
Architecture and environmental design .....	73	66	66	63	69	20	23	28	23	28
Area and ethnic studies .....	100	83	73	57	68	57	51	59	56	60
Business and management .....	719	706	836	837	863	125	143	258	312	279
Communications .....	107	131	163	138	144	75	88	117	115	125
Computer and information sciences .....	227	218	322	466	533	25	24	52	85	90
Education .....	4,164	3,368	3,117	2,887	2,931	3,736	3,666	3,792	3,913	3,991
Engineering and related technologies .....	2,447	2,972	3,555	4,123	4,531	104	202	263	400	434
Fine and applied arts .....	396	392	447	446	472	258	280	344	308	370
Foreign languages .....	274	178	184	183	210	314	246	257	257	302
Health professions .....	475	556	584	609	697	367	616	649	827	846
Home economics .....	78	78	65	59	89	169	198	232	206	214
Law .....	56	72	79	47	90	4	17	41	29	23
Letters .....	1,010	917	844	902	890	780	749	757	797	808
Library science .....	31	38	19	27	12	40	45	38	34	29
Life sciences .....	2,666	2,259	2,223	2,234	2,395	1,052	1,095	1,194	1,286	1,449
Mathematics .....	614	581	598	700	748	114	105	125	168	169
Military sciences .....	0	0	0	0	0	0	0	0	0	0
Physical sciences .....	2,764	2,838	3,038	3,088	3,364	376	548	633	770	804
Psychology .....	1,681	1,474	1,427	1,407	1,414	1,274	1,390	1,629	1,815	1,939
Public affairs and services .....	260	235	251	254	271	173	209	198	236	296
Social sciences .....	2,272	1,916	2,026	1,949	2,037	847	912	889	936	986
Theology .....	1,071	987	1,103	1,017	1,147	98	103	127	145	151
Interdisciplinary studies .....	170	198	188	174	216	109	126	117	115	126
White, non-Hispanic										
Total .....	17,310	15,017	14,813	14,540	15,102	8,598	8,917	9,622	10,342	10,691
Agriculture and natural resources .....	577	660	526	517	551	87	130	124	159	150
Architecture and environmental design .....	39	36	28	25	25	17	17	17	9	16
Area and ethnic studies .....	73	64	54	38	52	51	41	45	45	44
Business and management .....	519	475	473	488	440	100	114	215	257	223
Communications .....	84	95	116	98	102	63	69	93	84	89
Computer and information sciences .....	162	131	178	241	240	22	19	41	56	71
Education .....	3,299	2,645	2,412	2,251	2,260	3,092	2,970	3,083	3,207	3,240
Engineering and related technologies .....	1,298	1,264	1,505	1,676	1,817	56	113	172	260	258
Fine and applied arts .....	353	343	387	367	403	234	239	297	255	304
Foreign languages .....	205	123	117	105	130	265	182	183	180	193
Health professions .....	380	405	406	422	463	309	519	526	685	668
Home economics .....	65	56	49	50	66	141	163	178	159	164
Law .....	37	52	42	15	31	3	16	29	11	2
Letters .....	854	765	671	720	704	695	643	625	656	662
Library science .....	22	25	13	15	6	29	30	30	27	21
Life sciences .....	2,288	1,839	1,703	1,681	1,720	889	886	921	985	1,086
Mathematics .....	422	303	285	319	321	85	69	64	88	77
Military sciences .....	---	0	0	0	0	---	0	0	0	0
Physical sciences .....	2,153	2,042	1,985	1,922	2,080	292	389	456	519	512
Psychology .....	1,488	1,308	1,289	1,243	1,215	1,149	1,236	1,436	1,594	1,694
Public affairs and services .....	205	168	177	168	166	125	167	158	188	249
Social sciences .....	1,751	1,262	1,328	1,183	1,250	714	707	723	700	732
Theology .....	903	818	931	860	918	90	87	109	122	131
Interdisciplinary studies .....	135	140	138	136	144	90	111	99	96	105

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Black, non-Hispanic</b>										
Total .....	694	561	488	490	533	571	593	572	575	612
Agriculture and natural resources .....	14	21	13	12	20	1	3	5	3	3
Architecture and environmental design .....	5	4	4	0	0	1	1	3	2	3
Area and ethnic studies .....	6	3	2	2	4	0	0	5	1	0
Business and management .....	26	9	21	16	15	6	5	8	3	3
Communications .....	3	8	7	2	3	7	10	10	13	12
Computer and information sciences .....	1	3	1	0	3	0	0	1	1	1
Education .....	289	184	177	175	177	325	337	291	279	341
Engineering and related technologies....	23	35	27	24	27	1	5	3	3	7
Fine and applied arts .....	12	7	3	8	12	6	8	9	3	7
Foreign languages .....	4	4	7	5	0	5	5	9	9	2
Health professions .....	9	15	8	13	19	17	18	25	28	20
Home economics .....	3	0	2	0	4	6	8	21	12	11
Law .....	1	2	1	0	0	0	1	2	4	0
Letters .....	28	16	12	15	10	28	17	23	24	19
Library science .....	3	2	0	1	0	6	6	1	0	2
Life sciences .....	36	32	30	34	24	28	21	23	22	20
Mathematics .....	6	7	8	5	5	3	0	1	3	2
Military sciences .....	—	0	0	0	0	—	0	0	0	0
Physical sciences .....	28	26	22	24	18	4	9	4	6	10
Psychology .....	62	51	35	39	38	54	62	62	74	79
Public affairs and services .....	19	20	16	18	16	33	20	20	22	18
Social sciences .....	66	67	57	60	75	34	45	38	45	38
Theology .....	45	41	34	33	57	0	9	5	11	7
Interdisciplinary studies .. ....	5	4	1	4	6	7	3	3	7	7
<b>Hispanic</b>										
Total .....	277	431	439	350	417	179	246	311	278	366
Agriculture and natural resources .....	14	16	12	17	12	0	2	3	3	3
Architecture and environmental design .....	2	1	0	1	1	0	0	0	1	1
Area and ethnic studies .....	1	7	2	3	3	0	2	0	1	4
Business and management .....	1	4	6	11	7	1	0	4	2	2
Communications .....	0	0	7	3	2	0	1	4	2	2
Computer and information sciences .....	0	2	5	1	1	0	0	1	3	1
Education .....	66	78	87	68	75	4	85	120	98	86
Engineering and related technologies....	22	88	65	36	38	1	1	3	6	6
Fine and applied arts .....	2	7	8	6	3	2	5	3	2	5
Foreign languages .....	19	23	11	9	18	18	18	31	21	48
Health professions .....	3	6	10	6	12	5	10	7	10	22
Home economics .....	0	0	1	0	0	1	7	5	2	0
Law .....	1	1	12	0	1	0	0	7	0	4
Letters .....	6	8	22	16	17	8	10	9	16	20
Library science .....	0	0	0	0	1	1	1	0	0	2
Life sciences .....	30	39	36	35	41	10	28	23	15	31
Mathematics .....	4	16	7	5	4	2	6	2	2	1
Military sciences .....	—	0	0	0	0	—	0	0	0	0
Physical sciences .....	21	36	43	43	61	2	7	17	11	17
Psychology .....	34	27	23	36	59	31	31	48	52	65
Public affairs and services .....	6	5	16	4	7	4	6	2	6	8
Social sciences .....	37	50	50	37	38	15	23	18	23	35
Theology .....	7	12	11	10	12	0	0	0	0	1
Interdisciplinary studies .. ....	1	5	5	3	4	4	3	4	2	2

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1989-90--Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Asian or Pacific Islander</b>										
Total .....	655	802	795	946	910	222	304	302	378	372
Agriculture and natural resources .....	22	51	28	22	22	7	6	4	8	11
Architecture and environmental design .....	5	3	1	4	3	0	1	0	2	0
Area and ethnic studies .....	5	4	1	0	2	1	3	0	3	5
Business and management .....	19	31	46	52	51	6	4	4	6	7
Communications .....	2	1	0	1	4	0	0	1	1	1
Computer and information sciences .....	14	13	16	36	28	0	1	4	4	1
Education .....	48	31	59	57	38	57	53	45	68	57
Engineering and related technologies....	182	244	240	297	287	9	19	18	26	29
Fine and applied arts .....	3	4	6	17	9	4	9	12	17	13
Foreign languages .....	5	3	2	3	2	0	3	2	4	6
Health professions .....	18	30	23	27	37	7	23	17	17	26
Home economics .....	1	1	1	2	2	5	4	5	4	4
Law .....	0	0	0	2	1	0	0	0	0	0
Letters .....	16	19	11	22	22	6	12	19	14	19
Library science .....	1	3	2	1	0	2	3	0	2	1
Life sciences .....	93	79	83	94	98	47	50	66	80	68
Mathematics .....	24	31	24	23	30	7	5	13	7	11
Military sciences .....	---	0	0	0	0	---	0	0	0	0
Physical sciences .....	90	134	129	148	123	18	45	37	35	34
Psychology .....	18	26	22	26	33	15	25	29	35	29
Public affairs and services .....	6	5	4	8	8	5	5	5	8	10
Social sciences .....	48	44	59	68	62	24	23	18	33	33
Theology .....	33	35	36	32	39	0	6	1	3	4
Interdisciplinary studies .....	2	10	2	4	9	4	4	2	1	3
<b>American Indian/Alaskan Native</b>										
Total .....	95	64	58	60	52	35	55	46	35	60
Agriculture and natural resources .....	2	3	2	0	0	0	0	0	0	0
Architecture and environmental design .....	0	0	0	1	0	0	0	0	0	0
Area and ethnic studies .....	1	0	1	0	0	0	0	0	1	2
Business and management .....	5	3	1	2	2	0	1	1	0	1
Communications .....	1	0	0	0	0	0	0	0	0	1
Computer and information sciences .....	1	1	1	0	1	0	0	0	0	0
Education .....	41	19	25	11	16	16	32	24	14	22
Engineering and related technologies....	5	6	3	3	5	0	1	0	0	0
Fine and applied arts .....	1	1	0	1	1	1	1	2	1	1
Foreign languages .....	1	1	0	0	1	0	1	0	0	0
Health professions .....	3	5	1	1	1	3	2	2	1	8
Home economics .....	0	0	0	0	0	1	0	0	0	2
Law .....	0	0	0	0	0	0	0	0	0	0
Letters .....	5	0	3	3	3	2	4	3	0	1
Library science .....	0	0	1	0	0	0	0	0	0	0
Life sciences .....	5	2	4	6	4	3	2	1	4	0
Mathematics .....	2	0	1	0	0	0	0	0	1	0
Military sciences .....	---	0	0	0	0	---	0	0	0	0
Physical sciences .....	3	9	3	9	5	1	3	0	4	0
Psychology .....	7	4	6	3	8	3	1	10	5	9
Public affairs and services .....	1	3	2	0	0	1	0	0	1	0
Social sciences .....	9	4	2	8	2	3	6	2	2	3
Theology .....	1	3	2	2	3	0	0	0	0	0
Interdisciplinary studies .....	1	0	0	0	0	1	1	1	1	0

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980-81 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1980-81	1984-85	1986-87	1988-89	1989-90	1980-81	1984-85	1986-87	1988-89	1989-90
<b>Nonresident alien</b>										
Total .....	3,584	4,421	5,468	6,221	7,204	639	898	1,121	1,454	1,671
Agriculture and natural resources .....	311	288	290	382	424	32	36	41	60	78
Architecture and environmental design ..	22	22	33	32	40	2	4	6	9	8
Area and ethnic studies .....	14	5	13	14	7	5	5	9	5	5
Business and management .....	149	184	289	268	348	12	19	26	44	43
Communications .....	17	27	33	34	33	5	8	9	15	20
Computer and information sciences .....	49	68	121	188	260	3	4	5	21	16
Education .....	421	409	357	325	365	172	189	229	247	245
Engineering and related technologies....	919	1,335	1,715	2,087	2,357	37	63	87	105	134
Fine and applied arts .....	25	30	43	47	44	12	18	21	28	40
Foreign languages .....	40	24	47	41	59	26	37	32	43	53
Health professions .....	62	95	116	140	165	26	44	72	86	102
Home economics .....	9	21	12	7	17	15	16	25	29	33
Law .....	17	17	24	30	57	1	0	3	14	17
Letters .....	101	102	125	126	134	41	63	78	87	87
Library science .....	5	8	3	10	5	2	5	7	5	3
Life sciences .....	214	268	367	384	508	75	108	160	180	244
Mathematics .....	156	224	273	348	386	17	25	45	65	78
Military sciences .....	—	0	0	0	0	—	0	0	0	0
Physical sciences .....	469	589	858	942	1,077	61	93	119	195	231
Psychology .....	72	58	52	60	61	22	35	44	55	63
Public affairs and services .....	23	34	36	58	74	5	11	13	11	11
Social sciences .....	361	489	530	593	610	57	108	90	133	145
Theology .....	82	80	89	80	120	8	1	12	9	8
Interdisciplinary studies .....	26	39	42	27	53	3	4	8	8	9

— Data not available

NOTE: Data for 1980-81 and 1984-85 do not include imputations for race/ethnicity. Data for 1988-89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

**Table 8.—First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90**

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total .....	52,194	47,501	46,522	45,046	43,819	19,146	23,556	25,095	25,810	26,917
Dentistry (D.D.S. or D.M.D.) .....	4,872	3,744	3,602	3,124	2,830	788	988	1,137	1,141	1,263
Medicine (M.D.) .....	11,672	10,363	10,431	10,310	9,977	3,833	4,609	4,998	5,150	5,138
Optometry (O.D.) .....	890	812	697	683	646	207	302	385	410	426
Osteopathic Medicine (D.O.) .....	957	1,136	1,208	1,172	1,119	188	353	412	463	442
Pharmacy (D. Phar.) .....	381	330	351	422	482	283	318	510	652	709
Podiatry (Pod.D., D.P. or D.P.M.) .....	528	464	468	487	493	69	118	123	149	182
Veterinary medicine (D.V.M.) .....	1,245	1,134	1,150	981	901	677	1,043	1,080	1,176	1,259
Chiropractic (D.C. or D.C.M.) .....	1,948	2,072	1,864	2,159	1,906	389	589	629	731	675
Law, general (LL.B. or J.D.) .....	24,563	22,120	21,581	21,069	21,059	11,768	13,928	14,495	14,565	15,378
Theological professions, general .....	5,338	5,294	5,192	4,639	4,408	944	1,291	1,326	1,373	1,445
Other .....	0	32	0	0	0	0	17	0	0	0
White, non-Hispanic										
Total .....	47,629	42,630	41,149	39,399	37,909	16,922	20,589	21,539	21,815	22,382
Dentistry (D.D.S. or D.M.D.) .....	4,257	3,287	3,008	2,492	2,221	639	761	850	791	811
Medicine (M.D.) .....	10,460	9,051	9,003	8,701	8,208	3,263	3,864	4,134	4,079	3,919
Optometry (O.D.) .....	843	722	625	606	567	174	257	318	330	347
Osteopathic Medicine (D.O.) .....	918	1,073	1,132	1,059	1,027	173	327	366	411	399
Pharmacy (D. Phar.) .....	276	243	238	288	343	195	213	295	445	481
Podiatry (Pod.D., D.P. or D.P.M.) .....	495	425	423	427	419	57	92	98	114	133
Veterinary medicine (D.V.M.) .....	1,204	1,078	1,035	924	849	642	994	1,017	1,105	1,178
Chiropractic (D.C. or D.C.M.) .....	1,787	1,932	1,723	1,958	1,707	357	551	575	656	591
Law, general (LL.B. or J.D.) .....	22,564	20,268	19,528	19,011	18,909	10,545	12,369	12,714	12,688	13,278
Theological professions, general .....	4,825	4,540	4,438	3,933	3,659	877	1,144	1,172	1,196	1,245
Other .....	0	31	0	0	0	0	17	0	0	0
Black, non-Hispanic										
Total .....	1,772	1,623	1,835	1,618	1,650	1,159	1,406	1,585	1,530	1,739
Dentistry (D.D.S. or D.M.D.) .....	126	101	169	102	87	69	76	93	81	86
Medicine (M.D.) .....	445	399	437	385	424	324	331	349	408	463
Optometry (O.D.) .....	3	7	8	16	10	6	7	10	14	14
Osteopathic Medicine (D.O.) .....	11	18	7	26	10	5	11	19	14	4
Pharmacy (D. Phar.) .....	8	16	37	19	13	12	14	75	32	25
Podiatry (Pod.D., D.P. or D.P.M.) .....	13	17	18	21	29	7	18	15	19	25
Veterinary medicine (D.V.M.) .....	16	14	12	11	20	21	22	17	21	23
Chiropractic (D.C. or D.C.M.) .....	11	13	16	15	17	2	9	10	9	11
Law, general (LL.B. or J.D.) .....	905	733	822	780	762	671	828	913	840	956
Theological professions, general .....	234	305	309	243	278	42	90	84	92	132
Other .....	0	0	0	0	0	0	0	0	0	0
Hispanic										
Total .....	1,131	1,239	1,303	1,374	1,454	410	645	748	895	973
Dentistry (D.D.S. or D.M.D.) .....	69	90	120	131	146	17	33	49	68	96
Medicine (M.D.) .....	305	327	319	372	358	90	152	165	197	196
Optometry (O.D.) .....	13	20	20	12	17	3	8	9	15	10
Osteopathic Medicine (D.O.) .....	11	13	17	37	28	2	5	8	19	14
Pharmacy (D. Phar.) .....	11	5	16	14	14	8	7	26	17	24
Podiatry (Pod.D., D.P. or D.P.M.) .....	10	5	8	12	15	2	5	3	3	7
Veterinary medicine (D.V.M.) .....	7	20	73	25	18	4	14	17	19	28
Chiropractic (D.C. or D.C.M.) .....	21	34	28	55	50	3	8	11	18	23
Law, general (LL.B. or J.D.) .....	621	621	610	645	717	278	398	444	515	558
Theological professions, general .....	63	104	92	71	91	3	15	18	24	17
Other .....	0	0	0	0	0	0	0	0	0	0

Table 8.—First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
<b>Asian or Pacific Islander</b>										
Total .....	991	1,152	1,420	1,819	1,968	465	664	850	1,157	1,370
Dentistry (D.D.S. or D.M.D.) .....	159	200	218	292	256	45	89	101	137	192
Medicine (M.D.) .....	329	391	534	742	867	117	192	271	402	484
Optometry (O.D.) .....	21	51	33	37	39	19	26	41	42	46
Osteopathic Medicine (D.O.) .....	8	23	31	38	44	6	8	14	15	19
Pharmacy (D. Phar.) .....	63	35	27	81	85	52	61	83	131	144
Podiatry (Pod.D., D.P. or D.P.M.) .....	6	12	8	11	27	2	3	4	7	13
Veterinary medicine (D.V.M.) .....	11	12	11	7	8	6	8	13	22	19
Chiropractic (D.C. or D.C.M.) .....	21	25	25	37	47	1	6	5	15	18
Law, general (LL.B. or J.D.) .....	322	323	393	429	439	208	265	301	366	419
Theological professions, general .....	51	80	140	145	154	9	6	17	20	16
Other .....	0	0	0	0	0	0	0	0	0	0
<b>American Indian/Alaskan Native</b>										
Total .....	134	176	183	148	138	58	72	121	116	119
Dentistry (D.D.S. or D.M.D.) .....	9	22	11	7	3	1	9	2	6	6
Medicine (M.D.) .....	39	64	36	31	30	12	25	30	30	22
Optometry (O.D.) .....	1	1	3	3	2	1	1	1	1	0
Osteopathic Medicine (D.O.) .....	7	6	10	8	7	1	2	3	1	5
Pharmacy (D. Phar.) .....	2	1	6	1	5	1	0	0	1	0
Podiatry (Pod.D., D.P. or D.P.M.) .....	0	2	2	2	0	1	0	0	0	1
Veterinary medicine (D.V.M.) .....	2	5	18	8	4	2	1	15	6	8
Chiropractic (D.C. or D.C.M.) .....	1	4	3	4	6	2	2	1	0	1
Law, general (LL.B. or J.D.) .....	68	69	84	80	70	33	30	68	62	72
Theological professions, general .....	5	2	12	4	11	4	2	1	9	4
Other .....	0	0	0	0	0	0	0	0	0	0
<b>Nonresident alien</b>										
Total .....	537	681	632	688	702	132	180	252	297	334
Dentistry (D.D.S. or D.M.D.) .....	52	64	78	100	117	17	20	42	58	72
Medicine (M.D.) .....	94	131	102	79	90	27	45	49	34	54
Optometry (O.D.) .....	9	11	8	9	11	4	3	6	8	9
Osteopathic Medicine (D.O.) .....	2	3	9	4	3	1	0	2	3	1
Pharmacy (D. Phar.) .....	21	30	29	19	22	15	23	31	26	35
Podiatry (Pod.D., D.P. or D.P.M.) .....	4	3	9	14	3	0	0	3	6	3
Veterinary medicine (D.V.M.) .....	5	5	3	6	2	2	4	1	3	3
Chiropractic (D.C. or D.C.M.) .....	107	64	69	90	79	24	13	27	33	31
Law, general (LL.B. or J.D.) .....	83	106	124	124	162	33	38	55	94	95
Theological professions, general .....	160	263	201	243	213	9	34	36	32	31
Other .....	0	1	0	0	0	0	0	0	0	0

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

## Appendix Table

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
	Total all fields ** .....	1,866,418	454,679	1,049,657	323,844	38,238
01.0000	Agribusiness and Agricultural Production ..	8,341	2,891	4,521	718	211
01.0101	Agricultural Business and Management, General	794	400	340	49	5
01.0102	Agricultural Business .....	1,299	140	1,136	23	0
01.0103	Agricultural Economics .....	2,366	104	1,635	479	148
01.0104	Farm and Ranch Management .....	207	115	86	6	0
01.0199	Agricultural Business and Management, Other ...	63	16	42	5	0
01.0201	Agricultural Mechanics, General.....	260	76	180	4	0
01.0203	Agricultural Mechanics, Construction, and Maintenance Skills .....	5	1	4	0	0
01.0204	Agricultural Power Machinery .....	67	58	9	0	0
01.0205	Agricultural Structures, Equipment and Facilities .....	10	2	8	0	0
01.0206	Soil and Water Mechanical Practices .....	8	4	3	0	1
01.0299	Agricultural Mechanics, Other .....	24	6	18	0	0
01.0301	Agricultural Production, General .....	358	314	29	15	0
01.0302	Animal Production .....	149	112	34	3	0
01.0303	Aquaculture .....	55	0	10	30	15
01.0304	Crop Production .....	32	25	0	5	2
01.0305	Game Farm Management .....	18	0	18	0	0
01.0399	Agricultural Production, Other .....	18	17	0	1	0
01.0401	Agricultural Products and Processing, General	7	4	0	2	1
01.0402	Food Products .....	11	9	2	0	0
01.0499	Agricultural Products and Processing, Other ...	10	0	10	0	0
01.0501	Agricultural Services and Supplies, General ...	128	128	0	0	0
01.0502	Agricultural Services .....	51	49	2	0	0
01.0503	Agricultural Supplies Marketing .....	22	22	0	0	0
01.0504	Pet Grooming .....	17	17	0	0	0
01.0505	Animal Training .....	27	7	20	0	0
01.0506	Horseshoeing .....	5	5	0	0	0
01.0507	Horse Handling and Care .....	172	129	43	0	0
01.0599	Agricultural Services and Supplies, Other .....	7	7	0	0	0
01.0601	Horticulture, General .....	538	388	109	22	19
01.0603	Ornamental Horticulture .....	547	289	243	11	4
01.0604	Greenhouse Operation and Management .....	21	21	0	0	0
01.0605	Landscape .....	205	171	34	0	0
01.0606	Nursery Operation and Management .....	46	45	1	0	0
01.0607	Turf Management .....	84	77	7	0	0
01.0699	Horticulture, Other .....	41	37	1	0	3
01.0701	International Agriculture .....	26	0	14	12	0
01.9999	Agribusiness and Agricultural Production, Other	643	96	483	51	13
02.0000	Agricultural Sciences .....	9,185	925	5,774	1,661	825
02.0101	Agricultural Sciences, General .....	1,296	242	882	169	3
02.0201	Animal Sciences, General .....	2,955	155	2,273	365	162
02.0202	Animal Breeding and Genetics .....	39	11	9	18	1
02.0203	Animal Health .....	178	145	20	11	2
02.0204	Animal Nutrition .....	13	0	0	3	10
02.0206	Dairy .....	205	16	143	31	15
02.0208	Livestock .....	104	102	2	0	0
02.0209	Poultry .....	181	26	122	22	11
02.0299	Animal Sciences, Other .....	331	84	201	34	12
02.0301	Food Sciences .....	951	0	528	301	122
02.0401	Plant Sciences, General .....	323	17	215	64	27
02.0402	Agronomy .....	1,029	17	487	296	229
02.0403	Horticulture Science .....	821	58	527	144	92
02.0408	Plant Protection (Pest Management) .....	40	2	23	15	0
02.0409	Range Management .....	168	1	98	47	22
02.0499	Plant Sciences, Other .....	108	37	49	13	9
02.0501	Soil Sciences .....	270	5	97	88	80
02.9999	Agricultural Sciences, Other .....	173	7	98	40	28
03.0000	Renewable Natural Resources .....	5,021	1,016	2,775	994	236
03.0101	Renewable Natural Resources, General .....	1,157	145	707	263	42
03.0201	Conservation and Regulation, General .....	196	85	108	3	0
03.0202	Conservation .....	153	30	97	25	1
03.0299	Conservation and Regulation, Other .....	7	4	3	0	0
03.0301	Fishing and Fisheries .....	252	36	104	94	18

See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
03.0401	Forestry Production and Processing, General . . .	319	162	115	19	23
03.0403	Forest Products Utilization . . . . .	43	41	2	0	0
03.0404	Forest Products Processing Technology . . . . .	83	37	46	0	0
03.0405	Logging . . . . .	2	2	0	0	0
03.0499	Forestry Production and Processing, Other . . . .	102	45	48	9	0
03.0501	Forestry and Related Sciences, General . . . . .	910	84	427	311	88
03.0502	Forestry Science . . . . .	144	18	67	51	8
03.0504	Forest Engineering . . . . .	43	1	35	6	1
03.0506	Forest Management . . . . .	187	28	138	16	5
03.0509	Wood Science . . . . .	76	10	51	12	3
03.0599	Forestry and Related Sciences, Other . . . .	110	11	77	15	7
03.0601	Wildlife Management . . . . .	960	242	590	109	19
03.9999	Renewable Natural Resources, Other . . . .	277	35	160	61	21
04.0000	Architecture and Environmental Design . . . . .	14,861	2,011	9,261	3,492	97
04.0101	Architecture and Environmental Design, General	647	13	528	102	4
04.0201	Architecture . . . . .	6,427	75	4,571	1,759	22
04.0301	City, Community, and Regional Planning . . . .	1,431	1	378	992	60
04.0401	Environmental Design . . . . .	800	35	686	74	5
04.0501	Interior Design . . . . .	3,658	1,868	1,749	38	3
04.0601	Landscape Architecture . . . . .	1,240	3	918	318	1
04.0701	Urban Design . . . . .	96	0	9	96	0
04.9999	Architecture and Environmental Design, Other ..	562	16	431	113	2
05.0000	Area and Ethnic Studies . . . . .	5,793	68	4,399	1,198	128
05.0101	African Studies . . . . .	58	0	43	14	1
05.0102	American Studies . . . . .	1,694	6	1,413	210	65
05.0103	Asian Studies, General . . . . .	507	3	416	90	1
05.0104	East Asian Studies . . . . .	573	0	420	143	10
05.0105	Eastern European Studies . . . . .	116	0	98	18	0
05.0106	European Studies, General . . . . .	228	0	224	3	1
05.0107	Latin American Studies . . . . .	483	0	285	194	4
05.0108	Middle Eastern Studies . . . . .	141	0	61	69	11
05.0109	Pacific Area Studies . . . . .	6	0	2	4	0
05.0110	Russian and Slavic Studies . . . . .	377	0	268	108	1
05.0111	Scandinavian Studies . . . . .	19	0	14	4	1
05.0112	South Asian Studies . . . . .	28	0	14	10	4
05.0113	Southeast Asian Studies . . . . .	11	0	10	1	0
05.0114	Western European Studies . . . . .	87	0	35	52	0
05.0115	Canadian Studies . . . . .	26	0	26	0	0
05.0199	Area Studies, Other . . . . .	514	0	426	87	1
05.0201	Afro-American (Black) Studies . . . . .	283	10	235	37	1
05.0202	American Indian Studies . . . . .	36	6	19	10	1
05.0203	Hispanic-American Studies . . . . .	92	0	81	11	0
05.0204	Islamic Studies . . . . .	6	0	0	3	3
05.0205	Jewish Studies . . . . .	234	46	166	19	3
05.0299	Ethnic Studies, Other . . . . .	59	0	38	11	10
05.9999	Area and Ethnic Studies, Other . . . .	215	0	105	100	10
06.0000	Business and Management . . . . .	370,335	51,206	240,941	77,048	1,140
06.0101	Business and Management, General . . . . .	67,928	11,889	41,973	13,882	184
06.0201	Accounting . . . . .	52,035	4,720	43,990	3,265	60
06.0301	Banking and Finance . . . . .	31,759	376	26,030	5,305	48
06.0401	Business Administration and Management, General	128,615	24,330	66,579	37,162	544
06.0402	Contract Management and Procurement/Purchasing	1,366	146	748	472	0
06.0403	Product Management . . . . .	495	13	384	93	5
06.0499	Business Administration and Management, Other	5,120	1,376	1,885	1,846	13
06.0501	Business Economics . . . . .	3,845	2	3,639	172	32
06.0601	Human Resources Development . . . . .	3,294	22	2,224	1,037	11
06.0701	Hotel/Motel Management . . . . .	5,612	1,943	3,518	150	1
06.0702	Recreational Enterprises Management . . . .	322	51	233	38	0
06.0703	Resort Management . . . . .	64	51	13	0	0
06.0704	Restaurant Management . . . . .	544	416	126	2	0
06.0705	Transportation Management . . . . .	921	97	761	62	1
06.0799	Institutional Management, Other . . . . .	2,044	704	1,149	191	0
06.0801	Insurance and Risk Management . . . . .	590	7	533	47	3
06.0901	International Business Management . . . . .	3,465	37	1,563	1,851	14
06.1001	Investments and Securities . . . . .	655	30	373	252	0
06.1101	Labor/Industrial Relations . . . . .	1,859	136	1,013	693	17

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
06.1201	Management Information Systems .....	4,539	384	3,047	1,099	9
06.1302	Operations Research (Quantitative Methods) ....	1,494	0	930	515	49
06.1303	Management Science, General .....	943	206	502	235	0
06.1399	Management Science, Other .....	1,674	99	1,132	432	11
06.1401	Marketing Management .....	32,301	1,236	28,861	2,158	46
06.1402	Marketing Research .....	197	0	178	18	1
06.1499	Marketing Management and Research, Other .....	1,438	27	1,221	186	4
06.1501	Organizational Behavior .....	758	3	559	166	30
06.1601	Personnel Management .....	1,872	28	1,605	230	9
06.1701	Real Estate .....	1,734	620	824	290	0
06.1801	Small Business Management and Ownership .....	598	460	130	8	0
06.1901	Taxation .....	961	1	0	960	0
06.2001	Trade and Industrial Supervision/Management ...	1,538	662	811	65	0
06.9999	Business and Management, Other .....	9,755	1,134	4,407	4,166	48
07.0000C	Business (Administrative Support) .....	43,694	41,073	2,587	34	0
07.0101	Accounting, Bookkeeping, and Related Programs, General .....	7,616	7,456	142	18	0
07.0102	Accounting and Computing .....	2,610	2,418	192	0	0
07.0103	Bookkeeping .....	154	154	0	0	0
07.0199	Accounting, Bookkeeping, and Related Programs, Other .....	46	35	11	0	0
07.0201	Banking and Related Financial Programs, General	543	524	19	0	0
07.0203	Insurance Clerk .....	10	10	0	0	0
07.0299	Banking and Related Financial Programs, Other	58	55	3	0	0
07.0301	Business Data Processing and Related Programs, General .....	4,260	3,946	306	8	0
07.0302	Business Computer and Console Operation .....	274	274	0	0	0
07.0303	Business Data Entry Equipment Operation .....	224	224	0	0	0
07.0304	Business Data Peripheral Equipment Operation ..	17	17	0	0	0
07.0305	Business Data Programming .....	3,256	3,227	29	0	0
07.0306	Business Systems Analysis .....	306	245	61	0	0
07.0399	Business Data Processing and Related Programs, Other .....	537	537	0	0	0
07.0401	Office Supervision and Management .....	2,845	1,717	1,121	7	0
07.0501	Personnel and Training Programs, General .....	35	35	0	0	0
07.0502	Training Assisting .....	45	45	0	0	0
07.0503	Personnel Assisting .....	11	11	0	0	0
07.0601	Secretarial and Related Programs, General .....	5,929	5,495	434	0	0
07.0602	Court Reporting .....	456	430	26	0	0
07.0603	Executive Secretarial .....	2,808	2,769	39	0	0
07.0604	Legal Secretarial .....	1,504	1,490	14	0	0
07.0605	Medical Secretarial .....	983	983	0	0	0
07.0606	Secretarial .....	2,605	2,532	73	0	0
07.0607	Stenographic .....	40	40	0	0	0
07.0699	Secretarial and Related Programs, Other .....	541	526	15	0	0
07.0701	Typing, General Office, and Related Programs, General .....	578	534	43	1	0
07.0702	Clerk-Typist .....	83	83	0	0	0
07.0705	General Office Clerk .....	74	74	0	0	0
07.0707	Receptionist and Communication Systems Operation .....	7	7	0	0	0
07.0709	Traffic, Rate, and Transportation Clerk .....	1	1	0	0	0
07.0799	Typing, General Office, and Related Programs, Other .....	41	41	0	0	0
07.0801	Word Processing .....	1,880	1,862	18	0	0
07.9999	Business (Administrative Support), Other .....	3,317	3,276	41	0	0
08.0000	Marketing and Distribution .....	19,535	13,939	5,473	121	2
08.0101	Apparel and Accessories Marketing, General .....	421	166	255	0	0
08.0102	Fashion Merchandising .....	5,359	3,966	1,391	0	2
08.0105	Jewelry Marketing .....	3	3	0	0	0
08.0199	Apparel and Accessories Marketing, Other .....	6	3	3	0	0
08.0201	Business and Personal Services Marketing, General .....	629	98	531	0	0
08.0202	Display .....	265	265	0	0	0
08.0203	Marketing of Business or Personal Services .....	250	14	235	1	0
08.0301	Entrepreneurship .....	238	140	60	38	0
08.0401	Financial Services Marketing .....	56	54	2	0	0

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
08.0501	Floristry, Farm and Garden Supplies Marketing, General .....	7	7	0	0	0
08.0503	Floristry .....	11	11	0	0	0
08.0601	Food Marketing, General .....	42	40	2	0	0
08.0604	Supermarket Marketing .....	22	22	0	0	0
08.0699	Food Marketing, Other .....	7	7	0	0	0
08.0702	Industrial Sales .....	285	34	251	0	0
08.0703	International Marketing .....	107	11	64	32	0
08.0704	Purchasing .....	179	50	127	2	0
08.0705	Retailing .....	1,370	1,114	256	0	0
08.0706	Sales .....	561	383	178	0	0
08.0708	Marketing, General .....	1,201	532	650	19	0
08.0799	General Marketing, Other .....	2,102	1,273	829	0	0
08.0801	Home and Office Products Marketing, General ...	33	33	0	0	0
08.0803	Building Materials Marketing .....	6	6	0	0	0
08.0805	Furniture Marketing .....	21	21	0	0	0
08.0808	Specialty Home Furnishings Marketing .....	17	0	17	0	0
08.0901	Hospitality and Recreation Marketing, Other ...	105	162	23	0	0
08.0903	Marketing of Recreational Services .....	79	6	73	0	0
08.0999	Hospitality and Recreation Marketing, Other ...	59	7	52	0	0
08.1001	Insurance Marketing .....	25	25	0	0	0
08.1101	Transportation and Travel Marketing, General ..	346	301	45	0	0
08.1102	Transportation Marketing .....	43	38	5	0	0
08.1104	Tourism .....	1,278	1,065	184	29	0
08.1105	Travel Services Marketing .....	752	750	2	0	0
08.1106	Warehouse Services Marketing .....	12	12	0	0	0
08.1199	Transportation and Travel Marketing, Other ....	42	32	10	0	0
08.1201	Vehicles and Petroleum Marketing, General ....	8	2	6	0	0
08.1203	Automotive Vehicles and Accessories Marketing	65	61	4	0	0
08.9999	Marketing and Distribution, Other .....	3,443	3,225	218	0	0
09.0000	Communications .....	56,054	1,658	50,063	4,070	263
09.0101	Communications, General .....	26,263	593	24,003	1,490	177
09.0201	Advertising .....	3,252	246	2,778	227	1
09.0301	Communications Research .....	152	2	112	26	12
09.0401	Journalism (Mass Communications) .....	13,243	333	11,565	1,305	40
09.0501	Public Relations .....	1,916	9	1,804	103	0
09.0601	Radio/Television News Broadcasting .....	1,206	146	1,033	27	0
09.0701	Radio/Television, General .....	6,073	193	5,601	267	12
09.0801	Telecommunications .....	891	83	662	146	0
09.9999	Communications, Other .....	3,058	53	2,505	479	21
10.0000	Communications Technologies .....	3,539	2,014	1,220	299	6
10.0101	Educational Media Technology .....	91	81	0	9	1
10.0102	Motion Picture Technology .....	41	4	37	0	0
10.0103	Photographic Technology .....	272	233	39	0	0
10.0104	Radio and Television Production and Broadcasting Technology .....	1,933	612	1,052	264	5
10.0105	Sound Recording Technology .....	68	52	16	0	0
10.0106	Video Technology .....	20	10	10	0	0
10.0199	Communications Technologies, Other .....	1,114	1,022	66	26	0
11.0000	Computer and Information Sciences .....	45,304	7,504	27,434	9,643	623
11.0101	Computer and Information Sciences, General ...	32,149	2,449	21,238	7,866	596
11.0201	Computer Programming .....	2,440	1,832	484	124	0
11.0301	Data Processing .....	2,107	1,503	531	73	0
11.0401	Information Sciences and Systems .....	6,062	1,148	3,730	1,167	17
11.0501	Systems Analysis .....	358	26	263	67	2
11.0601	Microcomputer Applications .....	335	331	4	0	0
11.9999	Computer and Information Sciences, Other .....	1,853	315	1,184	346	8
12.0000	Consumer, Personal and Miscellaneous Services.....	842	762	80	0	0
12.0101	Drycleaning and Laundering Services .....	2	2	0	0	0
12.0301	Funeral Services .....	605	526	79	0	0
12.0401	Personal Services, General .....	55	55	0	0	0
12.0402	Barbering/Hairstyling .....	4	4	0	0	0

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
12.0403	Cosmetology .....	171	171	0	0	0
12.9999	Consumer, Personal and Misc. Services, Other ..	5	4	1	0	0
13.0000	Education .....	205,712	8,018	104,715	86,057	6,322
13.0101	Education, General .....	16,202	3,688	2,218	9,108	1,188
13.0201	Bilingual/Crosscultural Education .....	348	3	124	187	34
13.0299	Bilingual/Crosscultural Education, Other ..	15	0	7	8	0
13.0301	Curriculum and Instruction .....	6,453	0	529	5,199	725
13.0401	Education Administration, General .....	7,842	0	9	6,433	1,400
13.0402	Administration of Special Education .....	35	0	13	9	13
13.0403	Adult and Continuing Education Administration	218	0	0	166	52
13.0404	Educational Supervision .....	864	0	0	826	38
13.0405	Elementary and Secondary Education Administration .....	1,721	26	0	1,638	57
13.0406	Higher Education Administration .....	612	0	5	262	345
13.0407	Community College Education Administration ....	106	0	0	102	4
13.0499	Education Administration, Other .....	655	0	0	548	107
13.0501	Educational Media .....	854	0	17	808	29
13.0601	Evaluation and Research, General .....	122	0	3	70	49
13.0603	Educational Statistics and Research .....	58	0	2	26	30
13.0604	Educational Testing, Evaluation, and Measurement .....	96	0	0	74	22
13.0606	Higher Education Research .....	26	0	0	7	19
13.0699	Evaluation and Research, Other .....	8	0	0	0	8
13.0701	International and Comparative Education .....	33	1	0	29	3
13.0801	School Psychology .....	2,100	1	158	1,449	492
13.0901	Social Foundations .....	337	0	0	198	139
13.1001	Special Education, General .....	11,298	102	4,249	6,777	170
13.1002	Education of the Culturally Disadvantaged .....	8	0	0	8	0
13.1003	Education of the Deaf and Hearing Impaired .....	405	31	219	154	1
13.1004	Education of the Gifted and Talented .....	179	0	4	168	7
13.1005	Education of the Emotionally Handicapped .....	428	0	221	205	2
13.1006	Education of the Mentally Handicapped .....	825	5	612	203	5
13.1007	Education of the Multiple Handicapped .....	139	0	58	81	0
13.1008	Education of the Physically Handicapped .....	65	3	30	29	3
13.1009	Education of the Visually Handicapped .....	42	0	17	25	0
13.1010	Remedial Education .....	42	0	1	39	2
13.1011	Specific Learning Disabilities .....	1,123	0	374	736	13
13.1012	Speech Correction .....	803	0	547	256	0
13.1099	Special Education, Other .....	675	20	293	352	10
13.1101	Student Counseling and Personnel Services .....	10,937	0	48	10,473	416
13.1201	Adult and Continuing Education .....	982	38	83	703	158
13.1202	Elementary Education .....	61,846	1,110	48,623	12,025	88
13.1203	Junior High/Middle School Education .....	1,420	0	869	551	0
13.1204	Pre-Elementary Education .....	7,222	736	4,853	1,616	17
13.1205	Secondary Education .....	8,098	285	4,074	3,659	80
13.1299	Teacher Education, General Programs, Other .....	2,034	200	470	1,305	59
13.1301	Agricultural Education .....	831	9	522	265	35
13.1302	Art Education .....	1,761	39	1,151	533	38
13.1303	Business Education .....	2,536	42	1,929	550	15
13.1304	Driver and Safety Education .....	115	0	54	61	0
13.1305	English Education .....	2,422	15	1,930	454	23
13.1306	Foreign Languages Education .....	569	1	392	157	19
13.1307	Health Education .....	2,611	33	1,661	808	109
13.1308	Home Economics Education .....	689	16	467	199	7
13.1309	Industrial Arts Education .....	2,589	32	1,920	602	35
13.1310	Marketing and Distributive Education .....	289	0	270	18	1
13.1311	Mathematics Education .....	2,560	18	1,725	777	40
13.1312	Music Education .....	3,875	31	2,875	897	72
13.1313	Nutritional Education .....	21	4	0	17	0
13.1314	Physical Education .....	17,095	494	12,919	3,482	200
13.1315	Reading Education .....	3,833	0	222	3,536	75
13.1316	Science Education .....	2,350	5	1,514	783	48
13.1317	Social Science Education .....	960	13	782	163	2
13.1318	Social Studies Education .....	1,948	12	1,719	212	5
13.1319	Technical Education .....	562	34	274	231	23
13.1320	Trade and Industrial Education .....	1,931	3	1,348	524	56
13.1321	Computer Education .....	608	14	15	579	0
13.1399	Teacher Education, Specific Subject Areas, Other .....	2,461	8	1,397	1,016	40

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
13.1401	Teaching English as a Second Language/Foreign Language .....	873	0	36	835	2
13.1501	Teacher Assisting .....	228	225	3	0	0
13.9999	Education, Other .....	4,719	721	860	2,846	292
14.0000	Engineering .....	95,363	2,380	64,077	23,953	4,953
14.0101	Engineering, General .....	5,484	1,560	2,566	1,116	242
14.0201	Aerospace, Aeronautical, and Astronautic .....	4,266	11	3,048	1,029	178
14.0301	Agricultural Engineering .....	732	1	467	186	78
14.0401	Architectural Engineering .....	613	49	530	34	0
14.0501	Bioengineering and Biomedical Engineering .....	1,177	0	701	364	112
14.0601	Ceramic Engineering .....	506	25	349	90	42
14.0701	Chemical Engineering .....	5,052	8	3,450	1,030	564
14.0801	Civil Engineering .....	10,650	40	7,273	2,824	513
14.0901	Computer Engineering .....	2,788	16	1,903	783	86
14.1001	Electrical, Electronics, and Communications ...	29,658	379	20,892	7,218	1,169
14.1101	Engineering Mechanics .....	421	0	146	184	91
14.1201	Engineering Physics .....	434	0	328	73	33
14.1301	Engineering Science .....	671	70	223	305	73
14.1401	Environmental Health Engineering .....	499	0	111	351	37
14.1501	Geological Engineering .....	111	0	65	40	6
14.1601	Geophysical Engineering .....	32	0	18	11	3
14.1701	Industrial Engineering .....	5,961	21	3,915	1,834	191
14.1801	Materials Engineering .....	1,199	0	446	492	261
14.1901	Mechanical Engineering .....	18,723	91	14,435	3,443	754
14.2001	Metallurgical Engineering .....	685	2	369	210	104
14.2101	Mining and Mineral Engineering .....	175	0	88	57	30
14.2201	Naval Architecture and Marine Engineering .....	367	0	316	45	6
14.2301	Nuclear Engineering .....	612	0	258	243	111
14.2401	Ocean Engineering .....	193	0	82	94	17
14.2501	Petroleum Engineering .....	526	0	307	165	54
14.2601	Surveying and Mapping Sciences .....	103	8	71	22	2
14.2602	Cartography .....	30	0	26	4	0
14.2701	Systems Engineering .....	666	0	327	314	25
14.2801	Textile Engineering .....	62	0	39	22	1
14.9999	Engineering, Other .....	2,967	99	1,328	1,370	170
15.0000	Engineering and Engineering-Related Technology .....	61,096	42,377	17,812	895	12
15.0101	Architectural Design and Construction Technology .....	2,189	1,497	692	0	0
15.0102	Architectural Interior Design Technology .....	53	53	0	0	0
15.0199	Architectural Technologies, Other .....	240	110	119	11	0
15.0201	Civil Technology .....	1,343	975	368	0	0
15.0202	Drafting and Design Technology .....	2,650	2,394	256	0	0
15.0203	Surveying and Mapping Technology .....	219	186	33	0	0
15.0299	Civil Technologies, Other .....	356	241	114	1	0
15.0301	Computer Technology .....	1,790	1,492	291	7	0
15.0302	Electrical Technology .....	2,124	1,256	868	0	0
15.0303	Electronic Technology .....	18,589	15,495	3,094	0	0
15.0304	Laser Electro-Optic Technology .....	285	251	27	7	0
15.0399	Electrical and Electronic Technologies, Other	3,366	3,034	300	32	0
15.0401	Biomedical Equipment Technology .....	445	442	3	0	0
15.0402	Computer Servicing Technology .....	516	515	1	0	0
15.0403	Electromechanical Technology .....	950	866	82	2	0
15.0404	Instrumentation Technology .....	323	309	4	9	1
15.0405	Robotics Technology .....	654	338	316	0	0
15.0499	Electromechanical Instrumentation and Maintenance Technologies, Other .....	769	759	10	0	0
15.0501	Air Conditioning, Heating, and Refrigeration Technology .....	511	506	5	0	0
15.0503	Energy Conservation and Use Technology .....	53	7	46	0	0
15.0504	Sanitation Technology .....	31	16	14	1	0
15.0505	Solar Heating and Cooling Technology .....	23	23	0	0	0
15.0506	Water and Wastewater Technology .....	160	139	14	7	0
15.0599	Environmental Control Technologies, Other .....	384	229	87	67	1
15.0602	Food Processing Technology .....	7	4	3	0	0
15.0603	Industrial Technology .....	4,701	728	3,805	164	4
15.0606	Optical Technology .....	1	1	0	0	0
15.0607	Plastic Technology .....	200	114	86	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
15.0609	Textile Technology .....	53	13	40	0	0
15.0610	Welding Technology .....	152	143	9	0	0
15.0699	Industrial Production Technologies, Other .....	1,280	565	683	32	0
15.0701	Occupational Safety and Health Technology .....	551	65	336	150	0
15.0702	Quality Control Technology .....	278	278	0	0	0
15.0799	Quality Control and Safety Technologies, Other .....	35	8	6	21	0
15.0801	Aeronautical Technology .....	2,434	1,343	1,091	0	0
15.0803	Automotive Technology .....	1,494	1,385	109	0	0
15.0804	Marine Propulsion Technology .....	15	15	0	0	0
15.0805	Mechanical Design Technology .....	2,574	1,895	679	0	0
15.0899	Mechanical and Related Technologies, Other .....	1,652	975	677	0	0
15.0901	Coal Mining Technology .....	42	35	7	0	0
15.0902	Mining (Excluding Coal) Technology .....	2	2	0	0	0
15.0903	Petroleum Technology .....	106	90	16	0	0
15.0999	Mining and Petroleum Technologies, Other .....	22	12	2	2	6
15.1001	Construction Technology .....	668	358	310	0	0
15.9999	Engineering and Engineering-Related Technologies, Other .....	6,806	3,215	3,209	382	0
16.0000	Foreign Languages .....	14,162	329	11,326	1,995	512
16.0101	Foreign Languages, Multiple Emphasis .....	1,184	73	788	264	59
16.0201	African (Non-Semitic) Languages .....	7	0	2	2	3
16.0301	Chinese .....	182	0	140	34	8
16.0302	Japanese .....	215	5	186	23	1
16.0399	Asiatic Languages, Other .....	97	0	65	22	10
16.0402	Russian .....	599	2	540	52	5
16.0403	Slavic Languages (Other than Russian) .....	119	0	60	48	11
16.0499	Balto-Slavic Languages, Other .....	14	0	6	5	3
16.0501	German .....	1,754	11	1,424	259	60
16.0502	Scandinavian Languages .....	42	0	33	7	2
16.0599	Germanic Languages, Other .....	32	0	12	12	8
16.0601	Greek (Classical) .....	44	0	38	6	0
16.0703	Indic Languages .....	8	0	2	1	5
16.0901	French .....	3,869	29	3,249	471	120
16.0902	Italian .....	301	0	238	45	18
16.0903	Latin .....	109	0	88	21	0
16.0904	Portuguese .....	35	0	27	7	1
16.0905	Spanish .....	4,882	74	4,138	560	110
16.0999	Italic Languages, Other .....	126	0	34	62	30
16.1001	Native American Languages .....	16	11	4	1	0
16.1101	Arabic .....	6	1	4	0	1
16.1102	Hebrew .....	83	0	48	29	6
16.1199	Semitic Languages, Other .....	34	0	12	12	10
16.9999	Foreign Languages, Other .....	404	123	188	52	41
17.0000	Allied Health .....	39,398	23,077	12,570	3,646	105
17.0101	Dental Assisting .....	305	305	0	0	0
17.0102	Dental Hygiene .....	3,860	3,140	703	17	0
17.0103	Dental Laboratory Technology .....	262	256	1	5	0
17.0199	Dental Services, Other .....	11	2	0	9	0
17.0201	Cardiovascular Technology .....	191	87	102	2	0
17.0202	Dialysis Technology .....	2	2	0	0	0
17.0203	Electrocardiograph Technology .....	13	13	0	0	0
17.0204	Electroencephalograph Technology .....	28	28	0	0	0
17.0205	Emergency Medical Technology - Ambulance .....	51	22	25	4	0
17.0206	Emergency Medical Technology - Paramedic .....	312	306	6	0	0
17.0207	Medical Radiation Dosimetry .....	43	27	16	0	0
17.0208	Nuclear Medical Technology .....	291	178	113	0	0
17.0209	Radiologic (Medical) Technology .....	3,758	3,373	374	11	0
17.0210	Respiratory Therapy Technology .....	1,192	1,174	18	0	0
17.0211	Surgical Technology .....	205	205	0	0	0
17.0212	Diagnostic Medical Sonography .....	171	154	17	0	0
17.0299	Diagnostic and Treatment Services, Other .....	187	107	71	9	0
17.0301	Blood Bank Technology .....	10	2	4	4	0
17.0302	Chemistry Technology .....	10	1	9	0	0
17.0303	Clinical Animal Technology .....	12	6	6	0	0
17.0305	Clinical Laboratory Assisting .....	14	14	0	0	0
17.0306	Cytotechnology .....	75	4	71	0	0
17.0308	Histologic Technology .....	34	34	0	0	0
17.0309	Medical Laboratory Technology .....	1,762	1,641	121	0	0

See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
17.0310	Medical Technology .....	1,561	22	1,517	22	0
17.0311	Microbiology Technology .....	13	1	9	3	0
17.0399	Medical Laboratory Technologies, Other .....	87	50	35	2	0
17.0401	Alcohol/Drug Abuse Specialty .....	514	404	75	35	0
17.0402	Community Health Work .....	528	59	153	306	10
17.0404	Home Health Aide .....	1	1	0	0	0
17.0405	Mental Health/Human Services Assisting .....	420	406	14	0	0
17.0406	Mental Health/Human Services Technology .....	1,057	904	105	48	0
17.0407	Rehabilitation Counseling .....	777	7	174	582	14
17.0408	Therapeutic Child Care Work .....	40	34	0	6	0
17.0410	Sign Language Interpreting .....	191	175	16	0	0
17.0499	Mental Health/Human Services, Other .....	1,235	438	436	312	49
17.0503	Medical Assisting .....	1,423	1,403	0	20	0
17.0504	Medical Illustrating .....	68	0	17	51	0
17.0505	Medical Office Management .....	127	127	0	0	0
17.0506	Medical Records Technology .....	1,083	1,065	18	0	0
17.0507	Pharmacy Assisting .....	47	47	0	0	0
17.0508	Physician Assisting .....	799	130	638	31	0
17.0512	Veterinarian Assisting .....	750	736	14	0	0
17.0513	Health Unit Coordinating .....	4	4	0	0	0
17.0514	Chiropractic Assisting .....	31	31	0	0	0
17.0599	Misc. Allied Health Services, Other .....	267	135	96	28	8
17.0601	Geriatric Aide .....	44	44	0	0	0
17.0605	Practical Nursing .....	669	533	130	6	0
17.0606	Health Unit Management .....	15	15	0	0	0
17.0699	Nursing-Related Services, Other .....	422	358	11	53	0
17.0701	Ophthalmic Dispensing .....	182	182	0	0	0
17.0705	Optometric Technology .....	175	175	0	0	0
17.0799	Ophthalmic Services, Other .....	92	92	0	0	0
17.0801	Art Therapy .....	163	0	39	124	0
17.0803	Dance Therapy .....	46	0	2	44	0
17.0804	Exercise Physiology .....	341	24	198	119	0
17.0806	Music Therapy .....	199	0	179	20	0
17.0807	Occupational Therapy .....	2,467	101	1,987	379	0
17.0808	Occupational Therapy Assisting .....	800	800	0	0	0
17.0811	Orthotics/Prosthetics .....	41	18	23	0	0
17.0812	Orthopedic Assisting .....	10	3	7	0	0
17.0813	Physical Therapy .....	4,629	206	3,502	919	2
17.0814	Physical Therapy Aide .....	27	27	0	0	0
17.0815	Physical Therapy Assisting .....	1,552	1,552	0	0	0
17.0816	Recreational Therapy .....	228	51	159	18	0
17.0817	Recreational Therapy Assisting .....	45	41	4	0	0
17.0818	Respiratory Therapy .....	1,128	927	201	0	0
17.0819	Respiratory Therapy Assisting .....	18	18	0	0	0
17.0820	Speech/Hearing Therapy Aide .....	147	9	90	47	1
17.0822	Recreational Therapy Aide .....	6	6	0	0	0
17.0899	Rehabilitation Services, Other .....	434	18	287	118	11
17.9999	Allied Health, Other .....	1,696	617	777	292	10
18.0000	Health Sciences .....	105,443	41,051	46,246	16,708	1,438
18.0101	Audiology .....	165	19	53	92	1
18.0102	Speech Pathology .....	640	0	282	358	0
18.0103	Speech-Language Pathology/Audiology .....	4,805	3	2,376	2,341	85
18.0199	Audiology and Speech Pathology, Other .....	228	0	112	110	6
18.0201	Clinical Anatomy .....	6	0	0	2	4
18.0202	Clinical Biochemistry .....	47	0	16	7	24
18.0203	Clinical Microbiology .....	222	0	181	21	20
18.0204	Clinical Pathology .....	32	0	0	32	0
18.0205	Clinical Physiology .....	28	0	0	6	22
18.0299	Basic Clinical Health Sciences, Other .....	199	6	115	47	31
18.0301	Chiropractic .....	7	7	0	0	0
18.0401	Dentistry, General .....	224	1	83	140	0
18.0402	Dental Public Health .....	8	0	4	4	0
18.0403	Endodontics .....	17	0	0	16	1
18.0404	Oral/Maxial Facial Surgery .....	5	0	0	4	1
18.0405	Oral Pathology .....	5	0	0	1	4
18.0406	Orthodontics .....	92	0	0	92	0
18.0407	Pedodontics .....	9	0	0	9	0
18.0408	Periodontics .....	27	0	0	27	0
18.0409	Prosthodontics .....	24	0	0	23	1
18.0499	Dentistry, Other .....	142	2	0	133	7

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
18.0701	Health Services Administration .....	4,958	69	2,396	2,475	18
18.0702	Health Care Planning .....	227	0	14	211	2
18.0703	Medical Records Administration .....	625	4	621	0	0
18.0799	Health Services Administration, Other .....	492	2	189	292	9
18.0901	Medical Laboratory .....	661	8	603	49	1
18.1001	Medicine, General .....	161	29	92	34	6
18.1003	Anesthesiology .....	16	0	5	11	0
18.1007	Family Practice .....	1	0	0	1	0
18.1008	Geriatrics .....	32	5	10	17	0
18.1009	Immunology .....	24	0	0	4	20
18.1012	Nuclear Medicine .....	1	0	1	0	0
18.1016	Orthopedic .....	2	0	0	2	0
18.1017	Otorhinolaryngology/Otolaryngology .....	6	0	0	4	2
18.1018	Pathology .....	28	0	0	9	19
18.1022	Preventive Medicine .....	31	0	0	27	4
18.1024	Neurology .....	2	0	1	0	1
18.1025	Radiology .....	180	171	5	2	2
18.1026	Surgery .....	9	0	0	7	2
18.1030	Sports Medicine .....	192	9	133	50	0
18.1099	Medicine, Other .....	83	2	0	32	49
18.1101	Nursing, General .....	73,243	39,571	28,422	4,968	282
18.1102	Anesthetist .....	188	0	51	137	0
18.1103	Maternal/Child Health .....	240	0	0	237	3
18.1104	Medical Surgical .....	218	30	0	188	0
18.1105	Nursing Administration .....	327	39	85	202	1
18.1106	Psychiatric/Mental Health .....	141	22	0	119	0
18.1107	Public Health (Nursing) .....	535	0	15	481	39
18.1199	Nursing, Other .....	1,328	605	323	392	8
18.1201	Optometry .....	287	18	252	17	0
18.1301	Osteopathic Medicine .....	10	0	2	8	0
18.1401	Pharmacy .....	6,456	7	5,995	287	167
18.1501	Podiatry .....	61	0	5	56	0
18.1701	Pre-Dentistry .....	66	19	47	0	0
18.1801	Pre-Medicine .....	717	154	563	0	0
18.1901	Pre-Pharmacy .....	108	106	2	0	0
18.2001	Pre-Veterinary .....	60	29	29	2	0
18.2201	Public Health Laboratory Science .....	1,530	0	179	1,236	115
18.2202	Epidemiology .....	312	0	0	258	54
18.2203	Public Health Education .....	47	0	19	28	0
18.2204	Public Health Practice and Management .....	124	0	20	87	17
18.2299	Public Health, Other .....	465	0	132	323	10
18.2401	Veterinary Medicine .....	451	15	246	104	86
18.9999	Health Sciences, Other .....	3,866	99	2,567	886	314
19.0000	Home Economics .....	17,523	1,487	13,683	2,067	286
19.0101	Home Economics, General .....	3,783	105	3,214	411	53
19.0201	Business Home Economics .....	214	1	213	0	0
19.0301	Family and Community Services .....	267	9	205	46	7
19.0401	Family/Consumer Resource Management, General ..	679	21	629	18	11
19.0402	Consumer Science .....	263	1	247	11	4
19.0499	Family/Consumer Resource Management, Other .....	19	0	10	4	5
19.0501	Food Sciences and Human Nutrition, General .....	1,688	1	1,291	358	38
19.0502	Food/Food Sciences .....	58	1	50	3	4
19.0503	Dietetics/Human Nutritional Services .....	1,187	90	987	103	7
19.0599	Food Sciences and Human Nutrition, Other .....	137	2	118	11	6
19.0601	Human Environment and Housing, General .....	582	2	532	45	3
19.0603	Housing .....	34	0	34	0	0
19.0699	Human Environment and Housing, Other .....	80	0	80	0	0
19.0701	Individual and Family Development, General .....	2,766	45	2,277	355	89
19.0703	Family Counseling .....	412	0	37	354	21
19.0704	Family Relations .....	376	0	322	44	10
19.0705	Gerontological Services .....	204	23	99	82	0
19.0799	Individual and Family Development, Other .....	229	5	178	40	6
19.0901	Textiles and Clothing, General .....	2,015	5	1,902	90	18
19.0902	Fashion Design .....	1,642	1,089	550	2	1
19.0904	Textile Science .....	83	66	13	4	0
19.0999	Textiles and Clothing, Other .....	442	0	430	12	0
19.9999	Home Economics, Other .....	363	21	265	74	3

See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
20.0000	Vocational Home Economics .....	10,150	8,743	1,304	86	17
20.0101	Comprehensive Consumer & Homemaking Education..	79	54	25	0	0
20.0102	Child Development, Care, and Guidance .....	1,430	1,104	314	10	2
20.0103	Clothing and Textiles .....	64	4	60	0	0
20.0106	Family/Individual Health .....	1	0	1	0	0
20.0107	Family Living and Parenthood .....	189	1	154	22	12
20.0108	Food and Nutrition .....	57	28	25	4	0
20.0109	Home Management .....	1	0	1	0	0
20.0110	Housing, Home Furnishings, and Equipment .....	5	5	0	0	0
20.0201	Child Care and Guidance Management and Services, General .....	1,177	1,118	33	26	0
20.0202	Child Care Aide/Assisting .....	1,286	1,286	0	0	0
20.0203	Child Care Management .....	544	531	2	10	1
20.0204	Foster Care/Family Care .....	14	14	0	0	0
20.0299	Child Care and Guidance Management and Services, Other .....	106	103	3	0	0
20.0301	Clothing, Apparel, and Textiles Management, Production, and Services, General .....	163	93	70	0	0
20.0303	Commercial Garment and Apparel Construction ...	29	29	0	0	0
20.0304	Custom Apparel/Garment Seamstress .....	12	12	0	0	0
20.0305	Custom Tailoring and Alteration .....	4	4	0	0	0
20.0306	Fashion/Fabric Coordination .....	29	29	0	0	0
20.0308	Wedding/Specialty Consulting .....	2	2	0	0	0
20.0399	Clothing, Apparel, and Textiles Management, Production, and Services, Other .....	7	2	5	0	0
20.0401	Food Production, Management, and Services, General .....	1,301	1,113	183	5	0
20.0402	Baking .....	129	129	0	0	0
20.0403	Chef/Cook .....	1,229	1,229	0	0	0
20.0404	Dietetic Aide/Assisting .....	241	241	0	0	0
20.0406	Food Service .....	614	331	283	0	0
20.0408	School Food Service .....	2	0	2	0	0
20.0499	Food Production, Management, and Services, Other .....	1,041	1,041	0	0	0
20.0501	Home Furnishings and Equipment Management, Production, and Services, General .....	63	43	18	2	0
20.0504	Floral Design .....	5	5	0	0	0
20.0505	Home Decorating .....	115	84	31	0	0
20.0506	Home Furnishings Aide .....	13	13	0	0	0
20.0599	Home Furnishings and Equipment Management, Production, and Services, Other .....	10	0	10	0	0
20.0601	Institutional, Home Management, and Supporting Services, General .....	87	6	72	7	2
20.0602	Companion to the Aged .....	2	2	0	0	0
20.0605	Executive Housekeeping .....	2	2	0	0	0
20.9999	Vocational Home Economics, Other .....	97	85	12	0	0
22.0000	Law .....	8,111	4,547	1,582	1,869	113
22.0101	Law .....	1,068	13	2	945	108
22.0102	Pre-Law .....	429	128	301	0	0
22.0103	Legal Assisting .....	4,947	4,339	604	4	0
22.0199	Law, Other .....	1,667	67	675	920	5
23.0000	Letters .....	57,131	567	48,075	7,223	1,266
23.0101	English, General .....	39,770	346	34,135	4,524	765
23.0201	Classics .....	621	0	454	124	43
23.0301	Comparative Literature .....	1,052	1	709	251	91
23.0401	Composition .....	217	1	200	10	6
23.0501	Creative Writing .....	1,246	4	625	616	1
23.0601	Linguistics (Includes Phonetics, Semantics, and Philology) .....	1,277	0	524	601	152
23.0701	Literature, American .....	59	0	55	2	2
23.0801	Literature, English .....	1,974	0	1,641	267	66
23.1001	Speech, Debate, and Forensics .....	9,185	94	8,425	564	102
23.1101	Technical and Business Writing .....	241	9	144	98	0
23.1201	English as a Second Language .....	63	40	3	20	0
23.9999	Letters, Other .....	1,426	72	1,160	156	38

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
24.0000	Liberal/General Studies .....	155,302	128,721	24,956	1,594	31
24.0101	Liberal Arts and Sciences .....	119,119	104,586	13,131	1,379	23
24.0102	General Studies .....	16,685	13,082	3,566	35	2
24.0199	Liberal/General Studies, Other .....	19,498	11,053	8,259	180	6
25.0000	Library and Archival Sciences .....	4,586	112	84	4,349	41
25.0101	Library and Archival Sciences, General .....	1,098	9	7	1,078	4
25.0201	Archival Science .....	4	0	0	4	0
25.0301	Library Assisting .....	84	84	0	0	0
25.0401	Library Science .....	3,311	14	73	3,187	37
25.0501	Museology .....	62	5	3	54	0
25.9999	Library and Archival Sciences, Other .....	27	0	1	26	0
26.0000	Life Sciences .....	46,909	1,034	37,170	4,861	3,844
26.0101	Biology, General .....	30,372	773	27,083	1,969	547
26.0201	Biochemistry and Biophysics .....	2,898	1	2,022	293	582
26.0301	Botany, General .....	464	2	181	138	143
26.0302	Bacteriology .....	45	0	17	12	16
26.0304	Plant Genetics .....	60	0	13	17	30
26.0305	Plant Pathology .....	190	0	13	93	84
26.0307	Plant Physiology .....	31	0	0	9	22
26.0399	Botany, Other .....	11	0	5	4	2
26.0401	Cell Biology .....	136	0	51	24	61
26.0402	Molecular Biology .....	559	0	368	57	134
26.0499	Cell and Molecular Biology, Other .....	402	0	327	18	57
26.0501	Microbiology .....	2,593	2	1,832	355	404
26.0601	Anatomy .....	263	0	103	59	101
26.0602	Biometrics and Biostatistics .....	169	0	16	114	39
26.0603	Ecology .....	765	21	476	192	76
26.0604	Embryology .....	1	0	0	0	1
26.0605	Endocrinology .....	16	0	0	1	15
26.0606	Histology .....	2	2	0	0	0
26.0607	Marine Biology .....	401	1	297	79	24
26.0608	Neurosciences .....	217	0	100	35	82
26.0609	Nutritional Sciences .....	595	5	184	315	91
26.0610	Parasitology .....	29	0	0	17	12
26.0611	Radiobiology .....	29	0	0	21	8
26.0612	Toxicology .....	159	0	50	53	56
26.0699	Misc. Specialized Areas, Life Sciences, Other .....	534	44	341	84	65
26.0701	Zoology, General .....	2,455	3	2,054	235	163
26.0702	Entomology .....	346	0	62	135	149
26.0703	Genetics, Human and Animal .....	400	0	151	102	147
26.0704	Pathology, Human and Animal .....	134	0	8	30	96
26.0705	Pharmacology, Human and Animal .....	253	0	20	58	175
26.0706	Physiology, Human and Animal .....	809	1	397	183	228
26.0799	Zoology, Other .....	4	0	0	0	4
26.9999	Life Sciences, Other .....	1,567	179	999	159	230
27.0000	Mathematics .....	19,949	760	14,597	3,677	915
27.0101	Mathematics, General .....	16,207	677	12,465	2,457	608
27.0201	Actuarial Sciences .....	275	0	229	46	0
27.0301	Applied Mathematics .....	1,378	5	895	388	90
27.0401	Pure Mathematics .....	163	0	124	23	16
27.0501	Statistics .....	1,317	0	457	671	189
27.9999	Mathematics, Other .....	609	78	427	92	12
28.0000	Military Sciences .....	275	19	256	0	0
28.0101	Aerospace Science (Air Force) .....	11	0	11	0	0
28.0301	Military Science (Army) .....	4	0	4	0	0
28.0401	Naval Science (Navy, Marines) .....	3	0	3	0	0
28.0501	Maritime Science (Merchant Marine) .....	221	0	221	0	0
28.9999	Military Sciences, Other .....	36	19	17	0	0
29.0000	Military Technologies .....	271	110	161	0	0
29.0101	Military Technologies .....	268	107	161	0	0
29.9999	Military Technologies, Other .....	3	3	0	0	0

\*See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
30.0000	Multi/Interdisciplinary Studies .....	34,807	11,803	19,188	3,505	311
30.0101	Biological and Physical Sciences .....	7,304	4,834	2,178	249	43
30.0201	Clinical Pastoral Care .....	306	0	1	300	5
30.0301	Engineering and Other Disciplines .....	624	127	232	213	52
30.0401	Humanities and Social Sciences .....	7,643	4,400	2,801	408	34
30.0501	Peace Studies .....	44	0	33	11	0
30.0601	Systems Science .....	1,057	4	41	1,002	10
30.0701	Womens Studies .....	206	0	189	16	1
30.0801	Mathematics and Computer Science .....	124	3	121	0	0
30.9999	Multi/Interdisciplinary Studies, Other .....	17,499	2,435	13,592	1,306	166
31.0000	Parks and Recreation .....	5,330	461	4,404	430	35
31.0101	Parks and Recreation, General .....	1,918	20	1,721	159	18
31.0201	Outdoor Recreation .....	256	103	124	29	0
31.0301	Parks and Recreation Management .....	2,276	176	1,913	171	16
31.0401	Water Resources .....	125	32	65	27	1
31.9999	Parks and Recreation, Other .....	755	130	581	44	0
38.0000	Philosophy and Religion .....	8,699	93	6,848	1,326	432
38.0101	Philosophy .....	5,103	30	4,261	567	245
38.0201	Religion .....	3,106	57	2,284	584	181
38.9999	Philosophy and Religion, Other .....	490	6	303	175	6
39.0000	Theology .....	11,799	653	5,162	4,686	1,298
39.0101	Biblical Languages .....	25	0	17	8	0
39.0201	Bible Studies .....	2,275	318	1,581	349	27
39.0301	Missionary Studies .....	591	33	318	184	56
39.0401	Religious Education .....	2,043	77	938	956	72
39.0501	Religious Music .....	347	22	170	146	9
39.0601	Theological Studies .....	4,878	132	1,376	2,490	880
39.9999	Theology, Other .....	1,640	71	762	553	254
40.0000	Physical Sciences .....	27,814	1,247	16,018	5,390	4,159
40.0101	Physical Sciences, General .....	1,390	898	439	52	1
40.0201	Astronomy .....	259	0	103	89	67
40.0301	Astrophysics .....	72	0	37	13	22
40.0401	Atmospheric Sciences and Meteorology .....	623	0	360	198	65
40.0501	Chemistry, General .....	11,674	151	7,932	1,568	2,023
40.0502	Analytical Chemistry .....	29	0	1	13	15
40.0503	Inorganic Chemistry .....	18	0	0	10	8
40.0504	Organic Chemistry .....	40	0	14	10	16
40.0505	Pharmaceutical Chemistry .....	96	0	10	38	48
40.0506	Physical Chemistry .....	50	0	0	14	28
40.0599	Chemistry, Other .....	264	15	161	43	45
40.0601	Geology .....	2,987	33	1,693	972	289
40.0602	Geochemistry .....	34	0	12	9	13
40.0603	Geophysics and Seismology .....	176	0	38	90	48
40.0604	Paleontology .....	10	0	6	2	2
40.0699	Geological Sciences, Other .....	250	0	69	134	47
40.0701	Metallurgy .....	18	3	2	10	3
40.0702	Oceanography .....	324	0	160	82	82
40.0703	Earth Science .....	595	0	435	109	51
40.0799	Miscellaneous Physical Sciences, Other .....	108	14	41	51	2
40.0801	Physics, General .....	6,915	70	4,049	1,681	1,115
40.0802	Atomic/Molecular Physics .....	10	0	8	1	1
40.0806	Nuclear Physics .....	3	0	0	2	1
40.0807	Optics .....	90	1	14	53	22
40.0808	Solid State Physics .....	12	0	0	8	4
40.0899	Physics, Other .....	235	5	111	70	49
40.0901	Planetary Science .....	16	0	0	3	13
40.9999	Physical Sciences, Other .....	516	57	315	65	79
41.0000	Science Technologies .....	1,067	888	113	57	9
41.0101	Biological Laboratory Technology .....	32	15	17	0	0
41.0102	Oceanographic (Biological) Technology .....	34	34	0	0	0

See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
41.0199	Biological Technologies, Other .....	58	37	17	2	2
41.0201	Nuclear Materials Handling Technology .....	23	23	0	0	0
41.0202	Nuclear Power Plant Operation Technology .....	23	22	1	0	0
41.0203	Nuclear Power Plant Radiation Control Tech. ....	25	25	0	0	0
41.0204	Radiologic (Physical) Technology .....	108	98	10	0	0
41.0299	Nuclear Technologies, Other .....	31	30	1	0	0
41.0301	Chemical Technology .....	269	259	10	0	0
41.0303	Metallurgical Technology .....	120	120	0	0	0
41.0304	Meteorological Technology .....	91	91	0	0	0
41.0305	Oceanographic (Physical) Technology .....	10	1	6	3	0
41.0399	Physical Science Technologies, Other .....	5	0	5	0	0
41.9999	Science Technologies, Other .....	238	133	46	52	7
42.0000	Psychology .....	67,280	1,110	53,586	9,231	3,353
42.0101	Psychology, General .....	57,068	972	50,343	4,100	1,653
42.0201	Clinical Psychology .....	1,976	0	86	806	1,084
42.0301	Cognitive Psychology .....	27	0	2	19	6
42.0401	Community Psychology .....	203	4	30	169	0
42.0601	Counseling Psychology .....	3,049	19	147	2,651	232
42.0701	Developmental Psychology .....	429	0	321	73	35
42.0801	Experimental Psychology .....	309	0	208	29	72
42.0901	Industrial and Organizational Psychology .....	688	1	163	467	57
42.1001	Personality Psychology .....	9	0	9	0	0
42.1101	Physiological Psychology .....	96	0	72	9	15
42.1201	Psycholinguistics .....	7	0	1	0	6
42.1301	Psychometrics .....	5	1	0	2	2
42.1501	Quantitative Psychology .....	18	0	0	11	7
42.1601	Social Psychology .....	639	8	555	47	29
42.9999	Psychology, Other .....	2,757	105	1,649	848	155
43.0000	Protective Services .....	29,423	12,848	15,387	1,151	37
43.0101	Correctional Administration .....	385	62	230	93	0
43.0102	Corrections .....	850	418	379	53	0
43.0103	Criminal Justice Administration .....	5,793	1,458	4,007	328	0
43.0104	Criminal Justice Studies .....	9,092	782	7,730	543	37
43.0105	Criminal Justice Technology .....	2,950	2,912	38	0	0
43.0106	Forensic Studies .....	462	51	378	33	0
43.0107	Law Enforcement .....	5,652	4,226	1,394	32	0
43.0108	Law Enforcement Administration .....	496	324	149	23	0
43.0109	Security Services .....	90	40	48	2	0
43.0199	Criminal Justice, Other .....	1,270	388	844	38	0
43.0201	Fire Control and Safety Technology .....	1,149	1,073	75	1	0
43.0202	Fire Protection Administration .....	190	116	74	0	0
43.0203	Firefighting .....	306	306	0	0	0
43.0299	Fire Protection, Other .....	128	116	7	5	0
43.9999	Protective Services, Other .....	610	576	34	0	0
44.0000	Public Affairs .....	34,634	2,609	14,075	17,455	495
44.0101	Public Affairs, General .....	1,501	169	808	507	17
44.0201	Community Services .....	1,915	862	948	95	10
44.0301	International Public Service .....	340	0	208	132	0
44.0401	Public Administration .....	7,202	103	1,859	5,123	117
44.0501	Public Policy Studies .....	747	17	258	416	56
44.0602	Public Transportation .....	2	0	0	2	0
44.0603	Public Utilities .....	2	2	0	0	0
44.0701	Social Work, General .....	19,743	718	9,063	9,702	260
44.0702	Medical Social Work .....	114	0	46	68	0
44.0799	Social Work, Other .....	1,602	255	513	819	15
44.9999	Public Affairs, Other .....	1,466	483	372	591	20
45.0000	Social Sciences .....	134,237	2,870	116,925	11,419	3,023
45.0101	Social Sciences, General .....	8,077	1,881	5,651	505	40
45.0201	Anthropology .....	4,743	36	3,597	791	319
45.0301	Archeology .....	137	1	87	36	13
45.0302	Archeological Technology .....	1	1	0	0	0
45.0401	Criminology .....	1,399	34	1,294	68	3
45.0501	Demography .....	42	1	1	30	10
45.0601	Economics .....	26,838	152	23,899	1,965	822

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
45.0701	Geography .....	3,924	35	3,197	548	144
45.0801	History .....	25,334	190	22,232	2,342	570
45.0901	International Relations .....	6,219	5	4,592	1,535	87
45.1001	Political Science and Government .....	35,413	147	33,235	1,554	477
45.1101	Sociology .....	17,795	251	15,929	1,179	436
45.1201	Urban Studies .....	1,015	13	624	340	38
45.9999	Social Sciences, Other .....	3,300	123	2,587	526	64
46.0000	Construction Trades .....	1,793	1,774	19	0	0
46.0101	Brickmasonry, Stonemasonry, and Tile Setting, General .....	18	18	0	0	0
46.0201	Carpentry .....	352	352	0	0	0
46.0301	Electrical and Power Transmission Installation, General .....	136	134	2	0	0
46.0302	Electrician .....	316	316	0	0	0
46.0303	Lineworker .....	63	63	0	0	0
46.0399	Electrical and Power Transmission Installation, Other .....	40	40	0	0	0
46.0401	Building and Property Maintenance .....	41	40	1	0	0
46.0403	Construction Inspection .....	45	45	0	0	0
46.0407	Insulation Installation .....	2	2	0	0	0
46.0408	Painting and Decorating .....	9	9	0	0	0
46.0499	Miscellaneous Construction Trades and Property Maintenance, Other .....	199	190	9	0	0
46.0501	Plumbing, Pipefitting, & Steamfitting, General	42	42	0	0	0
46.0502	Pipefitting and Steamfitting .....	3	3	0	0	0
46.0503	Plumbing .....	29	29	0	0	0
46.0599	Plumbing, Pipefitting, and Steamfitting, Other	2	2	0	0	0
46.9999	Construction Trades, Other .....	496	489	7	0	0
47.0000	Mechanics and Repairers .....	7,802	7,600	202	0	0
47.0101	Electrical and Electronics Equipment Repair, General .....	603	603	0	0	0
47.0102	Business Machine Repair .....	23	23	0	0	0
47.0103	Communication Electronics .....	285	281	4	0	0
47.0104	Computer Electronics .....	441	440	1	0	0
47.0105	Industrial Electronics .....	443	443	0	0	0
47.0106	Major Appliance Repair .....	16	16	0	0	0
47.0199	Electrical and Electronics Equipment Repair, Other .....	238	63	175	0	0
47.0201	Heating, Air Conditioning, and Refrigeration Mechanics, General .....	615	614	1	0	0
47.0202	Cooling and Refrigeration .....	62	62	0	0	0
47.0203	Heating and Air Conditioning .....	152	152	0	0	0
47.0299	Heating, Air Conditioning, and Refrigeration Mechanics, Other .....	12	12	0	0	0
47.0301	Industrial Equipment Maintenance and Repair, General .....	73	73	0	0	0
47.0302	Heavy Equipment Maintenance and Repair .....	25	25	0	0	0
47.0303	Industrial Machinery Maintenance and Repair ...	101	101	0	0	0
47.0304	Mine Equipment Maintenance and Repair .....	14	14	0	0	0
47.0399	Industrial Equipment Maintenance and Repair, Other .....	16	16	0	0	0
47.0401	Electromechanical, Hydraulic, and Pneumatic Instrument Repair .....	34	34	0	0	0
47.0402	Gunsmithing .....	36	36	0	0	0
47.0404	Musical Instrument Repair .....	4	4	0	0	0
47.0408	Watch Repair .....	1	1	0	0	0
47.0499	Miscellaneous Mechanics and Repairers, Other ..	5	5	0	0	0
47.0501	Stationary Energy Sources, General .....	4	4	0	0	0
47.0502	Conventional Electrical Power Generation .....	19	19	0	0	0
47.0601	Vehicle and Mobile Equipment Mechanics and Repairers, General .....	136	136	0	0	0
47.0603	Automotive Body Repair .....	216	216	0	0	0
47.0604	Automotive Mechanics .....	2,216	2,216	0	0	0
47.0605	Diesel Engine Mechanics .....	488	488	0	0	0
47.0606	Small Engine Repair .....	14	14	0	0	0
47.0607	Aircraft Mechanics, Airframe .....	436	430	6	0	0
47.0608	Aircraft Mechanics, Powerplant .....	139	139	0	0	0

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
47.0699	Vehicle and Mobile Equipment Mechanics and Repairers, Other .....	414	399	15	0	0
47.9999	Mechanics and Repairers, Other .....	521	521	0	0	0
48.0000	Precision Production .....	9,868	9,336	528	4	0
48.0101	Drafting, General .....	898	896	2	0	0
48.0102	Architectural Drafting .....	881	881	0	0	0
48.0103	Civil/Structural Drafting .....	25	25	0	0	0
48.0104	Electrical/Electronics Drafting .....	175	175	0	0	0
48.0105	Mechanical Drafting .....	834	834	0	0	0
48.0199	Drafting, Other .....	311	311	0	0	0
48.0201	Graphic and Printing Communications, General ..	1,117	876	241	0	0
48.0203	Commercial Art .....	2,898	2,644	253	1	0
48.0204	Commercial Photography .....	410	407	3	0	0
48.0205	Typesetting, Make-up, and Composition .....	8	8	0	0	0
48.0206	Lithography, Photography, and Platemaking .....	133	133	0	0	0
48.0207	Photographic Laboratory and Darkroom .....	15	15	0	0	0
48.0208	Printing Press Operations .....	68	68	0	0	0
48.0299	Graphic and Printing Communications, Other .....	549	526	23	0	0
48.0302	Saddlemaking and Repair .....	2	2	0	0	0
48.0303	Upholstering .....	10	10	0	0	0
48.0402	Meatcutting .....	5	5	0	0	0
48.0501	Precision Metal Work, General .....	80	80	0	0	0
48.0503	Machine Tool Operation/Machine Shop .....	720	720	0	0	0
48.0504	Metal Fabrication .....	3	3	0	0	0
48.0505	Metal Patternmaking .....	6	6	0	0	0
48.0506	Sheet Metal .....	7	7	0	0	0
48.0507	Tool and Die Making .....	194	193	1	0	0
48.0508	Welding .....	277	277	0	0	0
48.0599	Precision Metal Work, Other .....	4	4	0	0	0
48.0602	Jewelry Design, Fabrication, and Repair .....	47	47	0	0	0
48.0604	Plastics .....	7	7	0	0	0
48.0699	Precision Work, Assorted Materials, Other .....	25	25	0	0	0
48.0701	Woodworking, General .....	14	14	0	0	0
48.0702	Furniture Making .....	10	7	0	3	0
48.0703	Millwork and Cabinet Making .....	22	22	0	0	0
48.0799	Woodworking, Other .....	1	1	0	0	0
48.9999	Precision Production, Other .....	112	107	5	0	0
49.0000	Transportation and Material Moving .....	5,323	2,619	2,166	538	0
49.0101	Air Transportation, General .....	958	185	773	0	0
49.0102	Airplane Piloting and Navigation (Commercial)	1,621	745	508	368	0
49.0104	Aviation Management .....	1,299	328	829	142	0
49.0105	Air Traffic Control .....	115	92	23	0	0
49.0106	Flight Attendants .....	41	41	0	0	0
49.0107	Airplane Piloting (Private) .....	9	9	0	0	0
49.0199	Air Transportation, Other .....	168	111	29	28	0
49.0201	Vehicle and Equipment Operation, General .....	18	18	0	0	0
49.0202	Construction Equipment Operation .....	2	2	0	0	0
49.0203	Material Handling .....	31	31	0	0	0
49.0205	Truck and Bus Driving .....	2	2	0	0	0
49.0299	Vehicle and Equipment Operation, Other .....	3	3	0	0	0
49.0303	Commercial Fishing Operations .....	1	1	0	0	0
49.0304	Deep Water Diving and Life Support Systems .....	40	40	0	0	0
49.0305	Marina Operations .....	19	19	0	0	0
49.0306	Marine Maintenance .....	3	3	0	0	0
49.0308	Sailors and Deckhands .....	1	1	0	0	0
49.9999	Transportation and Material Moving, Other .....	992	988	4	0	0
50.0000	Visual and Performing Arts .....	53,138	4,587	39,167	8,542	842
50.0101	Visual and Performing Arts, General .....	2,693	376	2,108	202	7
50.0201	Crafts, General .....	91	1	79	11	0
50.0202	Ceramics .....	220	6	164	50	0
50.0204	Fiber/Textiles/Weaving .....	127	2	116	9	0
50.0205	Glass .....	13	0	9	4	0
50.0206	Metal/Jewelry .....	86	3	65	18	0
50.0299	Crafts, Other .....	7	0	7	0	0
50.0301	Dance .....	872	39	638	187	0
50.0401	Design, General .....	2,027	14	1,813	200	0

See footnotes at end of table.

**Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued**

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
50.0402	Graphic Design .....	2,696	888	1,780	28	0
50.0403	Illustration Design .....	628	69	551	8	0
50.0404	Industrial Design .....	565	58	497	10	0
50.0405	Theater Design .....	89	12	50	27	0
50.0499	Design, Other .....	382	18	324	40	0
50.0501	Dramatic Arts .....	6,145	162	4,719	1,176	88
50.0601	Film Arts, General .....	509	2	422	84	1
50.0602	Cinematography/Film .....	920	19	743	153	5
50.0603	Film Animation .....	28	0	28	0	0
50.0605	Photography .....	1,116	238	773	105	0
50.0606	Video .....	17	0	15	2	0
50.0699	Film Arts, Other .....	78	9	68	1	0
50.0701	Fine Arts, General .....	13,400	974	10,814	1,590	22
50.0702	Art Conservation .....	41	3	18	20	0
50.0703	Art History and Appreciation .....	2,941	69	2,315	453	104
50.0704	Arts Management .....	190	0	101	87	2
50.0705	Drawing .....	295	11	250	34	0
50.0706	Intermedia .....	119	0	98	21	0
50.0708	Painting .....	940	11	747	182	0
50.0709	Sculpture .....	231	0	168	63	0
50.0710	Printmaking .....	94	2	66	26	0
50.0799	Fine Arts, Other .....	2,586	81	2,078	407	20
50.0901	Music, General .....	5,137	437	3,390	1,054	256
50.0902	Music History and Appreciation .....	155	0	67	57	31
50.0903	Music Performance .....	4,443	87	2,508	1,661	187
50.0904	Music Theory and Composition .....	434	5	207	153	69
50.0999	Music, Other .....	1,271	151	745	335	40
50.9999	Visual and Performing Arts, Other .....	1,552	840	626	84	2
95.0000	Undesignated Field .....	10,519	5,682	2,727	1,852	258

NOTE.--Data represent programs, not organizational units within institutions.

\* Total excludes first-professional degrees.

\*\* Includes degrees reported in undesignated field which are not included in the other tables of this report.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey: 1989-90.

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